



Bipolar Transistors

Product Selection Guide

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KEC Corporation

September. 2021

KEC

General Purpose Bipolar Transistors - Quick Search Matrix 1/7

VCEO	IC [A]	Package									
		DPAK	SOT-23	SOT-89	TO-126	TO-220IS	TO-220IS(1)	TO-3P(H)IS	TO-3P(N)	TO-92(AT)	TO-92L(AT)
-600	-1	KTA1807D			KTA1807A						
-400	-2	KTA1862D									
	-0.5										KTA1277
	-0.3									MPSA94	
-300	-0.5		MMBTA92							MPSA92	
	-0.1				KTA1381						
	-0.05									BF421	
-250	-0.05									BF423	
-230	-15								KTA1943N KTA1962A		
	-1					KTA1837					
-200	-0.1										KTA1070
-180	-2					KTB1369					
	-1.5					KTA1659A					
-160	-1.5	KTA1225D			KTA1700	KTA1659					
	-1										KTA1275
-150	-0.6		2N5401S							2N5401 2N5401C	
	-0.05				KTA1360						KTA1024
-140	-12								KTB817		
-120	-10							KTB778	KTB688		
	-1.2				KTA1704						
	-1	KTA1045D			KTB631K						
	-0.8			KTA1661							KTA1023
-100	-25								TIP36C		
	-6					TIP42CF					
	-5	KTA1042D				KTB1367 KTA1049	KTA1050				
	-3					TIP32CF					
	-1										KTA1572

General Purpose Bipolar Transistors - Quick Search Matrix 2/7

VCEO	IC [A]	Package												
		DPAK	ESM	SOT-23	SOT-23(1)	SOT-89	TSM	USM	USV	VSM	TO-126	TO-220IS	TO-92(AT)	TO-92L(AT)
-80	-7											KTB1370		
	-6											KTA1725		
	-4											KTB1368		
	-3	KTA1041D												
	-1					KTB1260								KTB1241
	-0.5			MMBTA56										
	-0.4					KTA1662								KTA1274
-65	-0.1			BC856									BC556	
-60	-5	KTA1385D									KTB1151			
	-3	KTA1040D										KTB1366 KTA1046		
	-1					KTA1668							KTA708 MPS751	
	-0.6			KN2907AS KTN2907AS				KTN2907AU					KN2907A KTN2907A	
	-0.5			MMBTA55										
-50	-3					KTB1124	KTA1552T							KTB985
	-2	KTA1718D				KTA1666					KTA1715			KTA1281
	-1						KTA1551T							KTB764
	-0.5												KTA200	
	-0.15		KTA2014E	KTC9015S KTA1504S				KTA2014	KTA501U	KTA2014V			KTA1015 KTA1266 KTA733 KTA733B	
	-0.1				KTC9015SC									

General Purpose Bipolar Transistors - Quick Search Matrix 3/7

VCEO	IC [A]	Package										
		DPAK	ESM	SOT-23	SOT-23(1)	SOT-89	TSM	USM	TO-126	TO-220IS	TO-92(AT)	TO-92L(AT)
-45	-0.8			BC807							BC327	
	-0.2										KTA539	
	-0.1			BC857 BC860				BC857W			BC557	
-40	-0.6			KN4402S KN4403S	2N4403SC						KN4403	
	-0.2			KN3906S 2N3906S	2N3906SC			2N3906U			2N3906	
-30	-3						KTA1542T		KTB772	KTA1658		
	-2						KTA1544T				KTA1282	KTA1273
	-1.5					KTA1663						
	-0.8			KTC8550S KTA1298		KTA1664					KTA1271	
	-0.5			KTA1505S KTC9012S	KTC9012SC			KTA2015			KTA1270	
	-0.1										BC558	
-25	-1.5			MPS8550S								
	-1.2				MPS8550SC							
-20	-5	KTA1242D					KTA1536T				KTA1243	KTA1241
	-3					KTA1001	KTA1535T					
	-1.5						KTA1532T					
	-1						KTA1531T					
-12	-1.5							KTA1532U				
	-0.5		KTA2012E									

General Purpose Bipolar Transistors - Quick Search Matrix 4/7

VCEO	IC [A]	Package												
		DPAK	ESM	SOT-23	SOT-23(1)	SOT-89	TS6	TSM	USM	VSM	TO-126	TO-220IS	TO-92(AT)	TO-92L(AT)
10	2													KTC3226
11	0.05									KTC3730V				
12	0.1			KTC3770S					KTC3770U	KTC3770V				
	0.5		KTC4072E							KTC4072V				
20	0.3			KTD1304 KTC2875 KTC2875AS			KTC812T						2KTC2874 KTD1302	
	1							KTC3531T						
	1.5							KTC3532T						
	2												KTC3266	
	3							KTC3535T						
	5	KTC3072D												
25	1.5			MPS8050S										
	1.2				MPS8050SC									
30	0.1			BC848									BC548 BC549	
	0.5			KTC3876S KTC9013S	KTC9013SC				KTC4076				KTC3202	
	0.8			KTC8050S KTC3265		KTC4376							KTC3203 KTC8050	
	1.5					KTC4375								
	2							KTC3544T						KTC3205
	3							KTC3542T			KTD882	KTC4369		

General Purpose Bipolar Transistors - Quick Search Matrix 5/7

VCEO	IC [A]	Package											
		DPAK	ESM	SOT-23	SOT-23(1)	SOT-89	TSM	USM	VSM	TO-126	TO-220IS	TO-92(AT)	TO-92L(AT)
40	0.2			KN3904S 2N3904S	2N3904SC							KN3904 2N3904	
	0.6			KN2222AS KN4401S KTN2222AS	2N4401SC			KTN2222AU				KN2222A KN4401 KTN2222A	
	2									KTC3964			
45	0.8			BC817								BC547	
	0.1			BC847 BC850				BC847W				KTC815	
	0.2											KTC200	
	0.5											BC337	
50	0.15		KTC4075E	KTC3875S KTC9014S KTC3295				KTC4075 KTC4666	KTC4075V	KTC3114		KTC3198 KTC9014 KTC945 KTC945B KTC3112	
	0.1				KTC9014SC								
	1					KTD1003	KTC3551T						KTD1028
	2	KTC2815D				KTC4379				KTC2814			KTC3209
	3					KTD1624	KTC3552T						KTD1347
60	0.5			MMBTA05									
	0.15											KTC1815	
	1					KTC4378						KTC1008 MPS651	KTD863
	3	KTC2020D KTC2825D KTC2030D									KTD2058 KTC2026 KTC2036		
	4										KTC1003		
	5	KTC5103D								KTD1691			
65	0.1			BC846									

General Purpose Bipolar Transistors - Quick Search Matrix 6/7

VCEO	IC [A]	Package							
		DPAK	SOT-23	SOT-89	TO-126	TO-220IS	TO-3P(H)IS	TO-3P(N)	TO-92L(AT)
80	0.5		MMBTA06						
	0.4			KTC4374					KTC3227
	0.8								KTC1006
	1			KTD1898					KTD1863
	3					KTD2092			
	4					KTD2060 KTC2027			
	5					KTD2066			
	10					KTD1937			
100	1			KTC3573					KTC3572
	5	KTC2022D				KTD2059 KTC2028			
	6					TIP41CF			
	25							TIP35C	
120	0.8			KTC4373					KTC1027
	1	KTC2025D			KTD600K				
	1.2				KTC2803				
	10						KTD998	KTD718	
140	10							KTC4468A	
	12							KTD1047	

General Purpose Bipolar Transistors - Quick Search Matrix 7/7

VCEO	IC [A]	Package									
		DPAK	SOT-23	SOT-23(1)	SOT-89	TSM	TO-126	TO-220IS	TO-3P(N)	TO-92(AT)	TO-92L(AT)
150	0.05										KTC3206
	0.5						KTC3423				
	10								KTD1530		
160	0.6		2N5551S	2N5551SC						2N5551 2N5551C	
	1				KTC4380						KTC3228
	1.5	KTC2983D					KTC2800	KTC4370			
180	1.5							KTC4370A			
	2							KTD2061			
230	1							KTC4793			
	15								KTC5200N KTC5242A		
250	0.05									BF422	
300	0.5		MMBTA42							MPSA42	
	0.05									BF420	
	0.1					KTC3207T	KTC3503	KTC3229			KTC3207
	0.2						KTC4217				
400	0.3		MMBTA44		PXTA44					MPSA44	
	1.5						MJE13003			KTC3003	
	5							MJE13005DF			
	8							MJE13007F			

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _c [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
Audio Muting Transistor	KTA1943N	A	N	TO-3P(N)	PNP	-230	-15	150	55	160	-3
	KTD1304	A	N	SOT-23	NPN	20	0.3	0.2	200	800	0.25
	KTC2875	A	N	SOT-23	NPN	20	0.3	0.15	200	1200	0.3
	KTC812T	A	N	TS6	NPN	20	0.3	0.9	350	1200	0.3
	KTC2874	A	N	TO-92(AT)	NPN	20	0.3	0.625	200	1200	0.1
	KTD1302	A	N	TO-92(AT)	NPN	20	0.3	0.625	200	800	0.25
	KTC2875AS	New	N	SOT-23	NPN	20	0.3	0.2	820	2700	0.1
	KTC5200N	A	N	TO-3P(N)	NPN	230	15	150	55	160	3
Complex General Purpose Transistor	KTA701E	A	Y	TES6	PNP_PNP	-50	-0.15	0.2	120	400	-0.3
	KTA701U	A	Y	US6	PNP_PNP	-50	-0.15	0.2	120	400	-0.3
	KTA501U	A	N	USV	PNP	-50	-0.15	0.2	120	400	-0.3
	KTC802E	A	Y	TES6	NPN_NPN	12	0.5	0.2	270	680	0.25
	KTX111T	A	Y	TS6	NPN_PNP	30	0.5	0.9	70	240	0.25
	KTC801E	A	Y	TES6	NPN_NPN	50	0.15	0.2	120	400	0.3
	KTC811E	A	Y	TES6	NPN_NPN	50	0.15	0.2	120	400	0.25
	KTC812E	A	Y	TES6	NPN_NPN	50	0.15	0.2	120	400	0.25
	KTC601E	A	Y	TESV	NPN_NPN	50	0.15	0.2	120	400	0.25
	KTC801U	A	Y	US6	NPN_NPN	50	0.15	0.2	120	400	0.3
	KTC811U	A	Y	US6	NPN_NPN	50	0.15	0.2	120	400	0.25
	KTC812U	A	Y	US6	NPN_NPN	50	0.15	0.2	120	400	0.25
	KTX101E	A	Y	TES6	NPN_PNP	50	0.15	0.2	120	400	0.25
	KTX101U	A	Y	US6	NPN_PNP	50	0.15	0.2	120	400	0.25

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	KTA1807A	A	N	TO-126	PNP	-600	-1	1.5	60	120	-1
	KTA1277	A	N	TO-92L(AT)	PNP	-400	-0.5	1	60	200	-1
	MPSA94	A	N	TO-92(AT)	PNP	-400	-0.3	0.625	50	300	-0.5
	MMBTA92	A	Y	SOT-23	PNP	-300	-0.5	0.35	40	-	-0.5
	MPSA92	A	N	TO-92(AT)	PNP	-300	-0.5	0.625	40	-	-0.5
	KTA1381	A	N	TO-126	PNP	-300	-0.1	1.5	60	200	-0.6
	BF421	A	N	TO-92(AT)	PNP	-300	-0.05	0.625	50	-	-0.6
	BF423	A	N	TO-92(AT)	PNP	-250	-0.05	0.625	50	-	-0.6
	KTA1962A	A	N	TO-3P(N)	PNP	-230	-15	130	55	160	-3
	KTA1837	A	N	TO-220IS	PNP	-230	-1	2	100	320	-1.5
	KTA1070	A	N	TO-92L(AT)	PNP	-200	-0.1	1	70	240	-0.6
	KTB1369	A	N	TO-220IS	PNP	-180	-2	20	70	240	-1
	KTA1659A	A	N	TO-220IS	PNP	-180	-1.5	20	70	240	-1.5
	KTA1659	A	N	TO-220IS	PNP	-160	-1.5	20	70	240	-1.5
	KTA1700	A	N	TO-126	PNP	-160	-1.5	10	70	240	-1.5
	KTA1225D	A	N	DPAK	PNP	-160	-1.5	10	70	240	-1.5
	KTA1275	A	N	TO-92L(AT)	PNP	-160	-1	1	60	320	-1.5
	2N5401	A	N	TO-92(AT)	PNP	-150	-0.6	0.625	60	240	-0.5
	2N5401C	A	N	TO-92(AT)	PNP	-150	-0.6	0.625	60	240	-0.2
	2N5401S	A	Y	SOT-23	PNP	-150	-0.6	0.35	60	240	-0.5
	KTA1024	A	N	TO-92L(AT)	PNP	-150	-0.05	1	70	240	-0.8
	KTA1360	A	N	TO-126	PNP	-150	-0.05	1.5	70	240	-0.8
	KTB817	A	N	TO-3P(N)	PNP	-140	-12	100	60	200	-2.5
	KTB688	A	N	TO-3P(N)	PNP	-120	-10	80	55	160	-2.5
	KTB778	A	N	TO-3P(H)IS	PNP	-120	-10	80	55	160	-2.5
	KTA1704	A	N	TO-126	PNP	-120	-1.2	1.5	100	320	-0.4
	KTB631K	A	N	TO-126	PNP	-120	-1	1.5	100	320	-0.4
	KTA1045D	A	N	DPAK	PNP	-120	-1	1	100	320	-0.4
	KTA1661	A	Y	SOT-89	PNP	-120	-0.8	1	80	240	-1
	KTA1023	A	N	TO-92L(AT)	PNP	-120	-0.8	1	80	240	-1
	TIP36C	A	Y	TO-3P(N)	PNP	-100	-25	125	55	160	-1.8
	TIP42CF	A	Y	TO-220IS	PNP	-100	-6	2	15	75	-1.5

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	KTB1370	A	Y	TO-220IS	PNP	-80	-7	30	70	240	-0.5
	KTA1725	A	Y	TO-220IS	PNP	-80	-6	30	55	160	-0.5
	KTB1368	A	Y	TO-220IS	PNP	-80	-4	25	40	240	-1.7
	KTA1041D	A	N	DPAK	PNP	-80	-3	1	120	300	-1
	KTB1260	A	Y	SOT-89	PNP	-80	-1	0.5	70	400	-0.4
	KTB1241	A	N	TO-92L(AT)	PNP	-80	-1	1	70	400	-0.4
	MMBTA56	A	Y	SOT-23	PNP	-80	-0.5	0.35	100	-	-0.25
	KTA1662	A	Y	SOT-89	PNP	-80	-0.4	1	70	240	-0.4
	KTA1274	A	N	TO-92L(AT)	PNP	-80	-0.4	1	70	240	-0.4
	BC556	A	N	TO-92(AT)	PNP	-65	-0.1	0.625	110	450	-0.65
	BC856	A	Y	SOT-23	PNP	-65	-0.1	0.35	125	475	-0.65
	KTB1151	A	N	TO-126	PNP	-60	-5	1.5	160	400	-0.3
	KTB1366	A	Y	TO-220IS	PNP	-60	-3	2	60	200	-1
	KTA1046	A	Y	TO-220IS	PNP	-60	-3	2	100	300	-1
	KTA1040D	A	Y	DPAK	PNP	-60	-3	1	100	300	-1
	KTA1668	A	Y	SOT-89	PNP	-60	-1	0.5	60	200	-0.7
	KTA708	A	N	TO-92(AT)	PNP	-60	-1	0.625	60	200	-0.7
	MPS751	A	N	TO-92(AT)	PNP	-60	-1	0.625	60	200	-0.7
	KN2907A	A	N	TO-92(AT)	PNP	-60	-0.6	0.625	75	-	-0.4
	KN2907AS	A	Y	SOT-23	PNP	-60	-0.6	0.35	100	300	-1.6
	MMBTA55	A	Y	SOT-23	PNP	-60	-0.5	0.35	100	-	-0.25
	KTB764	A	N	TO-92L(AT)	PNP	-50	-1	1	60	320	-0.7
	KTA200	A	N	TO-92(AT)	PNP	-50	-0.5	0.625	70	240	-0.25
	KTA2014	A	Y	USM	PNP	-50	-0.15	0.1	70	400	-0.3
	KTC9015S	A	Y	SOT-23	PNP	-50	-0.15	0.35	100	600	-0.3
	KTA1504S	A	Y	SOT-23	PNP	-50	-0.15	0.15	70	400	-0.3
	KTA1015	A	N	TO-92(AT)	PNP	-50	-0.15	0.625	70	400	-0.3
	KTA1266	A	N	TO-92(AT)	PNP	-50	-0.15	0.625	70	240	-0.3
	KTA733	A	N	TO-92(AT)	PNP	-50	-0.15	0.625	90	600	-0.3
	KTA733B	A	N	TO-92(AT)	PNP	-50	-0.15	0.625	70	400	-0.3
	KTA2014E	A	Y	ESM	PNP	-50	-0.15	0.1	70	400	-0.3
	KTA2014V	A	Y	VSM	PNP	-50	-0.15	0.1	70	400	-0.3
	KTC9015SC	A	N	SOT-23(1)	PNP	-50	-0.1	0.35	200	300	-0.3

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	BC327	A	N	TO-92(AT)	PNP	-45	-0.8	0.625	100	630	-0.7
	BC807	A	Y	SOT-23	PNP	-45	-0.8	0.35	100	630	-0.7
	KTA539	A	N	TO-92(AT)	PNP	-45	-0.2	0.625	70	240	-0.5
	BC557	A	N	TO-92(AT)	PNP	-45	-0.1	0.625	110	800	-0.65
	BC857	A	Y	SOT-23	PNP	-45	-0.1	0.35	125	800	-0.65
	BC857W	A	Y	USM	PNP	-45	-0.1	0.1	125	800	-0.65
	BC860	A	Y	SOT-23	PNP	-45	-0.1	0.35	125	475	-0.65
	KN4403	A	N	TO-92(AT)	PNP	-40	-0.6	0.625	30	-	-0.4
	KN4402S	A	Y	SOT-23	PNP	-40	-0.6	0.35	30	-	-0.75
	2N4403SC	A	N	SOT-23(1)	PNP	-40	-0.6	0.35	150	250	0.3
	KN4403S	A	Y	SOT-23	PNP	-40	-0.6	0.35	30	-	-0.4
	KN3906S	A	Y	SOT-23	PNP	-40	-0.2	0.35	60	-	-0.4
	2N3906U	A	Y	USM	PNP	-40	-0.2	0.1	100	300	-0.4
	2N3906SC	A	N	SOT-23(1)	PNP	-40	-0.2	0.35	150	250	0.3
	KTB772	A	Y	TO-126	PNP	-30	-3	1.5	100	400	-0.5
	KTA1658	A	Y	TO-220IS	PNP	-30	-3	15	70	240	-0.8
	KTA1273	A	N	TO-92L(AT)	PNP	-30	-2	1	100	320	-2
	KTA1282	A	N	TO-92(AT)	PNP	-30	-2	0.625	100	320	-2
	KTA1663	A	Y	SOT-89	PNP	-30	-1.5	1	100	320	-2
	KTA1664	A	Y	SOT-89	PNP	-30	-0.8	1	100	320	-0.7
	KTC8550S	A	Y	SOT-23	PNP	-30	-0.8	0.35	100	300	-0.5
	KTA1298	A	Y	SOT-23	PNP	-30	-0.8	0.2	100	320	-0.4
	KTA1271	A	N	TO-92(AT)	PNP	-30	-0.8	0.625	100	320	-0.7
	KTA1505S	A	Y	SOT-23	PNP	-30	-0.5	0.15	70	400	-0.25
	KTA2015	A	Y	USM	PNP	-30	-0.5	0.1	70	240	-0.25
	KTC9012S	A	Y	SOT-23	PNP	-30	-0.5	0.35	96	246	-0.25
	KTC9012SC	A	N	SOT-23(1)	PNP	-30	-0.5	0.35	200	300	-0.6
	KTA1270	A	N	TO-92(AT)	PNP	-30	-0.5	0.625	70	240	-0.25
	BC558	A	N	TO-92(AT)	PNP	-30	-0.1	0.625	110	800	-0.65
	MPS8550S	A	Y	SOT-23	PNP	-25	-1.5	0.35	85	300	-0.5
	MPS8550SC	A	N	SOT-23(1)	PNP	-25	-1.2	0.35	150	300	-0.5
	KTA1242D	A	Y	DPAK	PNP	-20	-5	1	100	320	-0.5
	KTA1243	A	N	TO-92(AT)	PNP	-20	-5	0.625	100	320	-0.5

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	KTA2012E	A	Y	ESM	PNP	-12	-0.5	0.1	270	680	-0.25
	KTC3226	A	N	TO-92L(AT)	NPN	10	2	1	140	600	0.5
	KTC4072E	A	Y	ESM	NPN	12	0.5	0.1	270	680	0.25
	KTC4072V	A	N	VSM	NPN	12	0.5	0.1	270	680	0.25
	KTC3266	A	N	TO-92(AT)	NPN	20	2	0.625	120	400	0.5
	KTC3072D	A	Y	DPAK	NPN	20	5	1	120	700	0.4
	MPS8050SC	A	N	SOT-23(1)	NPN	25	1.2	0.35	150	300	0.5
	MPS8050S	A	Y	SOT-23	NPN	25	1.5	0.35	85	300	0.5
	BC548	A	N	TO-92(AT)	NPN	30	0.1	0.625	110	800	0.6
	BC549	A	N	TO-92(AT)	NPN	30	0.1	0.625	110	800	0.6
	BC848	A	Y	SOT-23	NPN	30	0.1	0.35	110	800	0.6
	KTC3876S	A	N	SOT-23	NPN	30	0.5	0.15	70	400	0.25
	KTC4076	A	Y	USM	NPN	30	0.5	0.1	70	240	0.25
	KTC9013S	A	Y	SOT-23	NPN	30	0.5	0.35	96	246	0.25
	KTC9013SC	A	N	SOT-23(1)	NPN	30	0.5	0.35	200	300	0.6
	KTC3202	A	N	TO-92(AT)	NPN	30	0.5	0.625	70	400	0.25
	KTC4376	A	Y	SOT-89	NPN	30	0.8	1	100	320	0.5
	KTC8050S	A	Y	SOT-23	NPN	30	0.8	0.35	100	300	0.5
	KTC3265	A	Y	SOT-23	NPN	30	0.8	0.2	100	320	0.5
	KTC3203	A	N	TO-92(AT)	NPN	30	0.8	0.625	100	320	0.5
	KTC8050	A	N	TO-92(AT)	NPN	30	0.8	0.625	100	300	0.5
	KTC4375	A	Y	SOT-89	NPN	30	1.5	1	100	320	2
	KTC3205	A	N	TO-92L(AT)	NPN	30	2	1	100	320	2
	KTD882	A	Y	TO-126	NPN	30	3	1.5	100	400	0.5
	KTC4369	A	N	TO-220IS	NPN	30	3	15	70	240	0.8
	KN3904	A	N	TO-92(AT)	NPN	40	0.2	0.625	40	-	0.2
	KN3904S	A	Y	SOT-23	NPN	40	0.2	0.35	40	-	0.3
	2N3904SC	A	N	SOT-23(1)	NPN	40	0.2	0.35	150	250	0.3
	KN2222A	A	N	TO-92(AT)	NPN	40	0.6	0.625	35	-	0.3
	KN4401	A	N	TO-92(AT)	NPN	40	0.6	0.625	20	-	0.4
	KN2222AS	A	Y	SOT-23	NPN	40	0.6	0.35	100	300	1
	KN4401S	A	Y	SOT-23	NPN	40	0.6	0.35	20	-	0.75
	2N4401SC	A	N	SOT-23(1)	NPN	40	0.6	0.35	150	250	0.3

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	BC547	A	N	TO-92(AT)	NPN	45	0.1	0.625	110	800	0.6
	BC847	A	Y	SOT-23	NPN	45	0.1	0.35	110	800	0.6
	BC847W	A	Y	USM	NPN	45	0.1	0.1	110	800	0.6
	BC850	A	Y	SOT-23	NPN	45	0.1	0.35	200	800	0.6
	KTC815	A	N	TO-92(AT)	NPN	45	0.2	0.625	70	240	0.4
	KTC200	A	N	TO-92(AT)	NPN	45	0.5	0.625	70	240	0.25
	BC337	A	N	TO-92(AT)	NPN	45	0.8	0.625	100	630	0.7
	BC817	A	Y	SOT-23	NPN	45	0.8	0.35	100	630	0.7
	KTC9014SC	A	N	SOT-23(1)	NPN	50	0.1	0.35	200	300	0.3
	KTC3875S	A	Y	SOT-23	NPN	50	0.15	0.15	70	700	0.25
	KTC4075	A	Y	USM	NPN	50	0.15	0.1	70	700	0.25
	KTC9014S	A	Y	SOT-23	NPN	50	0.15	0.35	100	1000	0.25
	KTC4075F	A	N	TFSM	NPN	50	0.15	0.05	70	700	0.25
	KTC3198	A	N	TO-92(AT)	NPN	50	0.15	0.625	70	700	0.25
	KTC9014	A	N	TO-92(AT)	NPN	50	0.15	0.625	60	1000	0.25
	KTC945	A	N	TO-92(AT)	NPN	50	0.15	0.625	90	600	0.25
	KTC945B	A	N	TO-92(AT)	NPN	50	0.15	0.625	70	700	0.25
	KTC4075V	A	Y	VSM	NPN	50	0.15	0.1	70	700	0.25
	KTC4075E	A	Y	ESM	NPN	50	0.15	0.1	70	700	0.25
	KTC1815	A	N	TO-92(AT)	NPN	60	0.15	0.625	70	700	0.25
	MMBTA05	A	Y	SOT-23	NPN	60	0.5	0.35	100	-	0.25
	KTC4378	A	Y	SOT-89	NPN	60	1	1	100	320	0.5
	KTC1008	A	N	TO-92(AT)	NPN	60	1	0.625	100	320	0.5
	KTD863	A	N	TO-92L(AT)	NPN	60	1	1	60	320	0.5
	MPS651	A	N	TO-92(AT)	NPN	60	1	0.625	100	320	0.5
	KTC2020D	A	Y	DPAK	NPN	60	3	1	100	300	1
	KTD2058	A	Y	TO-220IS	NPN	60	3	25	60	200	1
	KTC2026	A	Y	TO-220IS	NPN	60	3	2	100	300	1
	KTC2825D	A	Y	DPAK	NPN	60	3	1	200	400	0.5
	KTC2030D	A	Y	DPAK	NPN	60	3	1	150	250	1
	KTC1003	A	Y	TO-220IS	NPN	60	4	30	30	150	1

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	BC546	A	N	TO-92(AT)	NPN	65	0.1	0.625	110	450	0.6
	BC846	A	Y	SOT-23	NPN	65	0.1	0.35	110	450	0.6
	KTC4374	A	Y	SOT-89	NPN	80	0.4	1	70	240	0.4
	KTC3227	A	N	TO-92L(AT)	NPN	80	0.4	1	70	240	0.4
	MMBTA06	A	Y	SOT-23	NPN	80	0.5	0.35	100	-	0.25
	MPSA06	A	N	TO-92(AT)	NPN	80	0.5	0.625	100	-	0.25
	KTC1006	A	N	TO-92L(AT)	NPN	80	0.8	1	100	-	0.7
	KTD1898	A	Y	SOT-89	NPN	80	1	1	70	400	0.4
	KTD1863	A	N	TO-92L(AT)	NPN	80	1	1	70	400	0.4
	KTD2060	A	Y	TO-220IS	NPN	80	4	25	40	240	1.5
	KTC2027	A	Y	TO-220IS	NPN	80	4	25	70	240	1.5
	KTD2059	A	Y	TO-220IS	NPN	100	5	30	40	240	2
	KTC2022D	A	N	DPAK	NPN	100	5	20	70	240	2
	KTC2028	A	N	TO-220IS	NPN	100	5	30	70	240	2
	TIP41CF	A	Y	TO-220IS	NPN	100	6	2	15	75	1.5
	TIP35C	A	Y	TO-3P(N)	NPN	100	25	125	55	160	1.8
	KTC4373	A	Y	SOT-89	NPN	120	0.8	1	80	240	1
	KTC1027	A	N	TO-92L(AT)	NPN	120	0.8	1	80	240	1
	KTC2025D	A	N	DPAK	NPN	120	1	1	100	320	0.4
	KTD600K	A	N	TO-126	NPN	120	1	1.5	100	320	0.4
	KTC2803	A	N	TO-126	NPN	120	1.2	1.5	100	320	0.4
	KTD998	A	N	TO-3P(H)IS	NPN	120	10	80	55	160	2.5
	KTD718	A	N	TO-3P(N)	NPN	120	10	80	55	160	2
	KTC4468A	A	N	TO-3P(N)	NPN	140	10	100	55	-	0.5
	KTD1047	A	N	TO-3P(N)	NPN	140	12	100	60	200	2.5
	KTC3206	A	N	TO-92L(AT)	NPN	150	0.05	1	70	240	0.5
	KTC3423	A	N	TO-126	NPN	150	0.5	1.5	70	240	0.5
	2N5551	A	N	TO-92(AT)	NPN	160	0.6	0.625	80	250	0.2
	2N5551C	A	N	TO-92(AT)	NPN	160	0.6	0.625	80	250	0.15
	2N5551S	A	Y	SOT-23	NPN	160	0.6	0.35	80	250	0.2
	2N5551SC	A	N	SOT-23(1)	NPN	160	0.6	0.35	150	250	0.3
	KTC4380	A	N	SOT-89	NPN	160	1	0.5	160	320	1.5
	KTC3228	A	N	TO-92L(AT)	NPN	160	1	1	60	320	1.5

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE} _Min	h _{FE} _Max	V _{CE(SAT)} _MAX [V]
General Purpose Transistor	KTC4370A	A	N	TO-220IS	NPN	180	1.5	20	70	240	1.5
	KTD2061	A	N	TO-220IS	NPN	180	2	20	70	240	1
	KTC4793	A	N	TO-220IS	NPN	230	1	2	100	320	1.5
	KTC5242A	A	N	TO-3P(N)	NPN	230	15	130	55	160	3
	BF422	A	N	TO-92(AT)	NPN	250	0.05	0.625	50	-	0.6
	BF420	A	N	TO-92(AT)	NPN	300	0.05	0.625	50	-	0.6
	KTC3207T	A	N	TSM	NPN	300	0.1	0.9	50	150	1
	KTC3503	A	N	TO-126	NPN	300	0.1	1.5	60	200	0.6
	KTC3229	A	N	TO-220IS	NPN	300	0.1	2	30	200	1
	KTC3207	A	N	TO-92L(AT)	NPN	300	0.1	1	30	150	1
	KTC4217	A	N	TO-126	NPN	300	0.2	1.5	60	200	0.6
	MMBTA42	A	Y	SOT-23	NPN	300	0.5	0.35	40	-	0.5
	MPSA42	A	N	TO-92(AT)	NPN	300	0.5	0.625	40	-	0.5
	MMBTA44	A	Y	SOT-23	NPN	400	0.3	0.35	50	200	0.5
	PXTA44	A	N	SOT-89	NPN	400	0.3	1	50	200	0.5
	MPSA44	A	N	TO-92(AT)	NPN	400	0.3	0.625	50	200	0.5
High hFE Transistor	KTC3964	A	Y	TO-126	NPN	40	2	1.5	500	-	0.5
	KTC3295	A	N	SOT-23	NPN	50	0.15	0.15	600	3600	0.25
	KTC3112	A	N	TO-92(AT)	NPN	50	0.15	0.625	600	3600	0.25
	KTC3114	A	N	TO-126	NPN	50	0.15	1.5	600	3600	0.25
	KTD1003	A	N	SOT-89	NPN	50	1	1	800	3200	0.3
	KTD1028	A	N	TO-92L(AT)	NPN	50	1	1	800	3200	0.3
	KTD2092	A	N	TO-220IS	NPN	80	3	2	500	1500	0.35
	KTD2066	A	N	TO-220IS	NPN	80	5	2	500	1500	0.35
	KTD1937	A	Y	TO-220IS	NPN	80	10	2	500	1500	0.35
	KTD1530	A	N	TO-3P(N)	NPN	150	10	100	6500	30000	2.5
Low Noise Transistor	KTC4666	A	N	USM	NPN	50	0.15	0.2	600	3600	0.25

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
Low VCE(sat) Transistor	KTA1572	A	N	TO-92L(AT)	PNP	-100	-1	1	150	450	-0.18
	KTA1552T	A	Y	TSM	PNP	-50	-3	0.9	200	560	-0.2
	KTA1551T	A	Y	TSM	PNP	-50	-1	0.9	200	560	-0.43
	KTA1542T	A	Y	TSM	PNP	-30	-3	0.9	200	560	-0.23
	KTA1544T	A	Y	TSM	PNP	-30	-2	0.9	200	560	-0.6
	KTA1536T	A	Y	TSM	PNP	-20	-5	0.9	200	560	-0.3
	KTA1535T	A	N	TSM	PNP	-20	-3	0.9	200	560	-0.165
	KTA1532T	A	Y	TSM	PNP	-20	-1.5	0.9	200	560	-0.18
	KTA1531T	A	Y	TSM	PNP	-20	-1	0.9	120	400	-0.3
	KTA1532U	A	Y	USM	PNP	-12	-1.5	0.2	270	680	-0.2
	KTC3531T	A	Y	TSM	NPN	20	1	0.9	120	400	0.3
	KTC3532T	A	Y	TSM	NPN	20	1.5	0.9	200	560	0.2
	KTC3535T	A	Y	TSM	NPN	20	3	0.9	200	560	0.15
	KTC3544T	A	Y	TSM	NPN	30	2	0.9	200	560	0.4
	KTC3542T	A	Y	TSM	NPN	30	3	0.9	200	560	0.18
	KTC3551T	A	Y	TSM	NPN	50	1	0.9	200	560	0.19
	KTC3552T	A	Y	TSM	NPN	50	3	0.9	200	560	0.12
	KTC3573	A	N	SOT-89	NPN	100	1	0.5	200	500	1
	KTC3572	A	N	TO-92L(AT)	NPN	100	1	1	150	500	0.12
RF/VHF/UHF Transistor	KTC3730V	A	N	VSM	NPN	11	0.05	0.1	56	180	-
	KTC3770U	A	N	USM	NPN	12	0.1	0.15	50	250	-
	KTC3770V	A	N	VSM	NPN	12	0.1	0.1	50	250	-
	KTC3770S	A	N	SOT-23	NPN	12	0.1	0.15	50	250	-
Strobo Flash Transistor	KTA1241	A	N	TO-92L(AT)	PNP	-20	-5	1	100	320	-0.5
	KTA1001	A	Y	SOT-89	PNP	-20	-3	1	100	320	-0.5

General Purpose Bipolar Transistors

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
Switching Transistor	KTA1807D	A	N	DPAK	PNP	-600	-1	1	30	120	-1
	KTA1862D	A	N	DPAK	PNP	-400	-2	10	56	180	-0.5
	KTA1385D	A	Y	DPAK	PNP	-60	-5	15	160	400	-0.3
	KTB1124	A	Y	SOT-89	PNP	-50	-3	0.5	100	400	-0.7
	KTB985	A	N	TO-92L(AT)	PNP	-50	-3	1	100	400	-0.7
	KTA1666	A	Y	SOT-89	PNP	-50	-2	0.5	70	240	-0.5
	KTA1281	A	N	TO-92L(AT)	PNP	-50	-2	1	70	240	-0.5
	KTA1718D	A	Y	DPAK	PNP	-50	-2	10	70	240	-0.5
	KTA1715	A	Y	TO-126	PNP	-50	-2	10	70	240	-0.5
	2N3906	A	N	TO-92(AT)	PNP	-40	-0.2	0.625	100	300	-0.4
	KTC4379	A	Y	SOT-89	NPN	50	2	0.5	70	240	0.5
	KTC3209	A	N	TO-92L(AT)	NPN	50	2	1	70	240	0.5
	KTC2815D	A	Y	DPAK	NPN	50	2	10	70	240	0.5
	KTC2814	A	Y	TO-126	NPN	50	2	10	70	240	0.5
	KTD1624	A	Y	SOT-89	NPN	50	3	1	100	400	0.5
	KTD1347	A	N	TO-92L(AT)	NPN	50	3	1	100	400	0.5
	KTC2036	A	Y	TO-220IS	NPN	60	3	20	150	250	1
	KTC5103D	A	Y	DPAK	NPN	60	5	15	60	400	0.3
	MJE13005DF	A	N	TO-220IS	NPN	400	5	30	18	35	1
	KTN2907AU	A	Y	USM	PNP	-60	-0.6	0.1	100	300	-1.6
	KTN2907AS	A	Y	SOT-23	PNP	-60	-0.6	0.35	100	300	-1.6
	KTN2907A	A	N	TO-92(AT)	PNP	-60	-0.6	0.625	100	300	-1.6
	2N3906S	A	Y	SOT-23	PNP	-40	-0.2	0.35	100	300	-0.4
	2N3904	A	N	TO-92(AT)	NPN	40	0.2	0.625	100	300	0.1
	2N3904S	A	Y	SOT-23	NPN	40	0.2	0.35	100	300	0.3
	KTN2222AS	A	Y	SOT-23	NPN	40	0.6	0.35	100	300	1
	KTN2222AU	A	Y	USM	NPN	40	0.6	0.1	100	300	1
	KTN2222A	A	N	TO-92(AT)	NPN	40	0.6	0.625	100	300	1
	KTC3003	A	N	TO-92(AT)	NPN	400	1.5	1.1	9	38	3
	MJE13003	A	N	TO-126	NPN	400	1.5	20	9	38	3
	MJE13007F	A	N	TO-220IS	NPN	400	8	40	15	39	3

Characteristics			VSM	ESM	USM		SOT-23		TO-92	
Polarity	R1 [kΩ]	R2 [kΩ]	±50V/±0.1A	±50V/±0.1A	±50V/±0.1A	±12V/±0.5A	±50V/±0.1A	±50V/±0.8A	±50V/±0.1A	±50V/±0.8A
NPN	4.7	4.7	KRC401V	KRC401E	KRC401	KRC453	KRC101S	KRC243S	KRC101	KRC243
	10	10	KRC402V	KRC402E	KRC402	KRC454	KRC102S	KRC244S	KRC102	KRC244
	22	22	KRC403V	KRC403E	KRC403		KRC103S		KRC103	
	47	47	KRC404V	KRC404E	KRC404		KRC104S		KRC104	
	2.2	47	KRC405V	KRC405E	KRC405		KRC105S		KRC105	
	4.7	47	KRC406V	KRC406E	KRC406		KRC106S		KRC106	
	10	47	KRC407V	KRC407E	KRC407		KRC107S		KRC107	
	22	47	KRC408V	KRC408E	KRC408		KRC108S		KRC108	
	4.7	-	KRC410V	KRC410E	KRC410		KRC110S		KRC110	
	10	-	KRC411V	KRC411E	KRC411		KRC111S		KRC111	
	22	-	KRC413V	KRC413E	KRC413		KRC113S		KRC113	
	47	-	KRC414V	KRC414E	KRC414		KRC114S		KRC114	
	1	10	KRC416V	KRC416E	KRC416	KRC456	KRC116S	KRC245S	KRC116	KRC245
	2.2	2.2	KRC417V	KRC417E	KRC417	KRC452	KRC117S	KRC242S	KRC117	KRC242
	2.2	10	KRC418V	KRC418E	KRC418		KRC118S	KRC246S	KRC118	KRC246
	4.7	10	KRC419V	KRC419E	KRC419		KRC119S		KRC119	
PNP	100	100		KRC422E						
	4.7	4.7	KRA301V	KRA301E	KRA301	KRA353	KRA101S	KRA223S	KRA101	KRA223
	10	10	KRA302V	KRA302E	KRA302	KRA354	KRA102S	KRA224S	KRA102	KRA224
	22	22	KRA303V	KRA303E	KRA303		KRA103S		KRA103	
	47	47	KRA304V	KRA304E	KRA304		KRA104S		KRA104	
	2.2	47	KRA305V	KRA305E	KRA305		KRA105S		KRA105	
	4.7	47	KRA306V	KRA306E	KRA306		KRA106S		KRA106	
	10	47	KRA307V	KRA307E	KRA307		KRA107S		KRA107	
	22	47	KRA308V	KRA308E	KRA308		KRA108S		KRA108	
	4.7	-	KRA310V	KRA310E	KRA310		KRA110S		KRA110	
	10	-	KRA311V	KRA311E	KRA311		KRA111S		KRA111	
	22	-	KRA313V	KRA313E	KRA313		KRA113S		KRA113	
	47	-	KRA314V	KRA314E	KRA314		KRA114S		KRA114	
	1	10	KRA316V	KRA316E	KRA316	KRA356	KRA116S	KRA225S	KRA116	KRA225
	2.2	2.2	KRA317V	KRA317E	KRA317	KRA352	KRA117S	KRA222S	KRA117	KRA222
	2.2	10	KRA318V	KRA318E	KRA318		KRA118S	KRA226S	KRA118	KRA226
	4.7	10	KRA319V	KRA319E	KRA319		KRA119S		KRA119	
	100	100	KRC422V							

Characteristics			TESV	USV	TSV
Polarity	R1 [kΩ]	R2 [kΩ]	±50V/±0.1A	±50V/±0.1A	±50V/±0.8A
NPN+NPN	4.7	4.7	KRC651E	KRC651U	KRC643T
	10	10	KRC652E	KRC652U	
	22	22	KRC653E	KRC653U	
	47	47	KRC654E	KRC654U	
	2.2	47	KRC655E	KRC655U	
	4.7	47	KRC656E	KRC656U	
	10	47	KRC657E	KRC657U	
	22	47	KRC658E	KRC658U	
	4.7	-	KRC660E	KRC660U	
	10	-	KRC661E	KRC661U	
	22	-	KRC663E	KRC663U	
	47	-	KRC664E	KRC664U	
	1	10	KRC666E	KRC666U	KRC645T
	2.2	2.2	KRC667E	KRC667U	KRC642T
	2.2	10	KRC668E	KRC668U	KRC646T
	4.7	10	KRC669E	KRC669U	
NPN+PNP	NPN : 10/10	PNP : 10/10	KRX101E	KRX101U	
	NPN : 47/47	PNP : 10/47	KRX102E	KRX102U	
	NPN : 22/22	PNP : 22/22	KRX103E	KRX103U	
	NPN : 47/47	PNP : 4.7/10	KRX104E		
PNP+PNP	4.7	4.7	KRA551E	KRA551U	KRA523T
	10	10	KRA552E	KRA552U	KRA524T
	22	22	KRA553E	KRA553U	
	47	47	KRA554E	KRA554U	
	2.2	47	KRA555E	KRA555U	
	4.7	47	KRA556E	KRA556U	
	10	47	KRA557E	KRA557U	
	22	47	KRA558E	KRA558U	
	4.7	-	KRA560E	KRA560U	
	10	-	KRA561E	KRA561U	
	22	-	KRA563E	KRA563U	
	47	-	KRA564E	KRA564U	
	1	10	KRA566E	KRA566U	KRA525T
	2.2	2.2	KRA567E	KRA567U	KRA522T
	2.2	10	KRA568E	KRA568U	KRA526T
	4.7	10	KRA569E	KRA569U	

Characteristics			TES6			US6			TS6
Polarity	R1 [kΩ]	R2 [kΩ]	±50V/±0.1A			±50V/±0.1A			±50V/±0.8A
NPN+NPN	4.7	4.7	KRC821E	KRC851E		KRC821U	KRC851U		KRC843T
	10	10	KRC822E	KRC852E		KRC822U	KRC852U		KRC844T
	22	22	KRC823E	KRC853E		KRC823U	KRC853U		
	47	47	KRC824E	KRC854E		KRC824U	KRC854U		
	2.2	47	KRC825E	KRC855E		KRC825U	KRC855U		
	4.7	47	KRC826E	KRC856E		KRC826U	KRC856U		
	10	47	KRC827E	KRC857E		KRC827U	KRC857U		
	22	47	KRC828E	KRC858E		KRC828U	KRC858U		
	4.7	-	KRC830E	KRC860E		KRC830U	KRC860U		
	10	-	KRC831E	KRC861E		KRC831U	KRC861U		
	22	-	KRC833E	KRC863E		KRC833U	KRC863U		
	47	-	KRC834E	KRC864E		KRC834U	KRC864U		
	1	10	KRC836E	KRC866E		KRC836U	KRC866U		KRC845T
	2.2	2.2	KRC837E	KRC867E		KRC837U	KRC867U		KRC842T
	2.2	10	KRC838E	KRC868E		KRC838U	KRC868U		KRC846T
	4.7	10	KRC839E	KRC869E		KRC839U	KRC869U		
NPN+PNP	NPN : 10/10	PNP : 10/10			KRX201E			KRX201U	
	NPN : 22/22	PNP : 22/22			KRX202E			KRX202U	
	NPN : 47/47	PNP : 47/47			KRX203E			KRX203U	
	NPN : 2.2/47	PNP : 2.2/47			KRX204E			KRX204U	
	NPN : 10/47	PNP : 10/47			KRX206E				
	NPN : 10/10	PNP : 10/47			KRX207E			KRX207U	
	NPN : 47/47	PNP : 4.7/10			KRX208E			KRX208U	
	NPN : 47/47	PNP : 10/47			KRX209E			KRX209U	
	NPN : 1/10	PNP : 10/10			KRX210E				

Characteristics			TES6		US6		TS6
Polarity	R1 [kΩ]	R2 [kΩ]	±50V/±0.1A		±50V/±0.1A		±50V/±0.8A
PNP+PNP	4.7	4.7	KRA721E	KRA751E	KRA721U	KRA751U	KRA723T
	10	10	KRA722E	KRA752E	KRA722U	KRA752U	KRA724T
	22	22	KRA723E	KRA753E	KRA723U	KRA753U	
	47	47	KRA724E	KRA754E	KRA724U	KRA754U	
	2.2	47	KRA725E	KRA755E	KRA725U	KRA755U	
	4.7	47	KRA726E	KRA756E	KRA726U	KRA756U	
	10	47	KRA727E	KRA757E	KRA727U	KRA757U	
	22	47	KRA728E	KRA758E	KRA728U	KRA758U	
	4.7	-	KRA730E	KRA760E	KRA730U	KRA760U	
	10	-	KRA731E	KRA761E	KRA731U	KRA761U	
	22	-	KRA733E	KRA763E	KRA733U	KRA763U	
	47	-	KRA734E	KRA764E	KRA734U	KRA764U	
	1	10	KRA736E	KRA766E	KRA736U	KRA766U	KRA725T
	2.2	2.2	KRA737E	KRA767E	KRA737U	KRA767U	KRA722T
	2.2	10	KRA738E	KRA768E	KRA738U	KRA768U	KRA726T
	4.7	10	KRA739E	KRA769E	KRA739U	KRA769U	

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
General Purpose BRT	KRA302E	A	Y	ESM	PNP	-50	-0.1	0.1	10	10
	KRA303E	A	Y	ESM	PNP	-50	-0.1	0.1	22	22
	KRA304E	A	Y	ESM	PNP	-50	-0.1	0.1	47	47
	KRA305E	A	Y	ESM	PNP	-50	-0.1	0.1	2.2	47
	KRA306E	A	Y	ESM	PNP	-50	-0.1	0.1	4.7	47
	KRA310E	A	Y	ESM	PNP	-50	-0.1	0.1	4.7	-
	KRA308E	A	N	ESM	PNP	-50	-0.1	0.1	22	47
	KRA316E	A	N	ESM	PNP	-50	-0.1	0.1	1	10
	KRA317E	A	N	ESM	PNP	-50	-0.1	0.1	2.2	10
	KRA318E	A	Y	ESM	PNP	-50	-0.1	0.1	2.2	10
	KRA319E	A	N	ESM	PNP	-50	-0.1	0.1	4.7	10
	KRA301E	A	N	ESM	PNP	-50	-0.1	0.1	4.7	4.7
	KRA307E	A	Y	ESM	PNP	-50	-0.1	0.1	10	47
	KRC401E	A	Y	ESM	NPN	50	0.1	0.1	4.7	4.7
	KRC403E	A	Y	ESM	NPN	50	0.1	0.1	22	22
	KRC404E	A	Y	ESM	NPN	50	0.1	0.1	47	47
	KRC405E	A	Y	ESM	NPN	50	0.1	0.1	2.2	47
	KRC406E	A	Y	ESM	NPN	50	0.1	0.1	4.7	47
	KRC407E	A	Y	ESM	NPN	50	0.1	0.1	10	47
	KRC408E	A	Y	ESM	NPN	50	0.1	0.1	22	47
	KRC410E	A	Y	ESM	NPN	50	0.1	0.1	4.7	-
	KRC411E	A	Y	ESM	NPN	50	0.1	0.1	10	-
	KRC414E	A	Y	ESM	NPN	50	0.1	0.1	47	-
	KRC417E	A	Y	ESM	NPN	50	0.1	0.1	2.2	2.2
	KRC402E	A	Y	ESM	NPN	50	0.1	0.1	10	10
	KRC419E	A	N	ESM	NPN	50	0.1	0.1	4.7	10
	KRC416E	A	N	ESM	NPN	50	0.1	0.1	1	10
	KRC418E	A	Y	ESM	NPN	50	0.1	0.1	2.2	10
	KRC422E	A	N	ESM	NPN	50	0.1	0.1	100	100
	KRC413E	A	N	ESM	NPN	50	0.1	0.1	1	10
	KRA314E	A	Y	ESM	NPN	50	0.1	0.1	47	-
	KRA311E	A	N	ESM	NPN	50	0.1	0.1	10	-
	KRA313E	A	Y	ESM	NPN	50	0.1	0.1	22	-

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
General Purpose BRT	KRA101S	A	Y	SOT-23	PNP	-50	-0.1	0.2	4.7	4.7
	KRA102S	A	Y	SOT-23	PNP	-50	-0.1	0.2	10	10
	KRA103S	A	Y	SOT-23	PNP	-50	-0.1	0.2	22	22
	KRA104S	A	Y	SOT-23	PNP	-50	-0.1	0.2	47	47
	KRA105S	A	Y	SOT-23	PNP	-50	-0.1	0.2	2.2	47
	KRA106S	A	Y	SOT-23	PNP	-50	-0.1	0.2	4.7	47
	KRA107S	A	Y	SOT-23	PNP	-50	-0.1	0.2	10	47
	KRA108S	A	Y	SOT-23	PNP	-50	-0.1	0.2	22	47
	KRA110S	A	Y	SOT-23	PNP	-50	-0.1	0.2	4.7	-
	KRA111S	A	Y	SOT-23	PNP	-50	-0.1	0.2	10	-
	KRA113S	A	N	SOT-23	PNP	-50	-0.1	0.2	22	-
	KRA114S	A	N	SOT-23	PNP	-50	-0.1	0.2	47	-
	KRA116S	A	Y	SOT-23	PNP	-50	-0.1	0.2	1	10
	KRA117S	A	Y	SOT-23	PNP	-50	-0.1	0.2	2.2	2.2
	KRA118S	A	Y	SOT-23	PNP	-50	-0.1	0.2	2.2	10
	KRA119S	A	Y	SOT-23	PNP	-50	-0.1	0.2	4.7	10
	KRC101S	A	Y	SOT-23	NPN	50	0.1	0.2	4.7	4.7
	KRC102S	A	Y	SOT-23	NPN	50	0.1	0.2	10	10
	KRC103S	A	Y	SOT-23	NPN	50	0.1	0.2	22	22
	KRC104S	A	Y	SOT-23	NPN	50	0.1	0.2	47	47
	KRC105S	A	Y	SOT-23	NPN	50	0.1	0.2	2.2	47
	KRC106S	A	Y	SOT-23	NPN	50	0.1	0.2	4.7	47
	KRC107S	A	Y	SOT-23	NPN	50	0.1	0.2	10	47
	KRC108S	A	Y	SOT-23	NPN	50	0.1	0.2	22	47
	KRC110S	A	Y	SOT-23	NPN	50	0.1	0.2	4.7	-
	KRC111S	A	Y	SOT-23	NPN	50	0.1	0.2	10	-
	KRC113S	A	N	SOT-23	NPN	50	0.1	0.2	22	-
	KRC114S	A	Y	SOT-23	NPN	50	0.1	0.2	47	-
	KRC116S	A	Y	SOT-23	NPN	50	0.1	0.2	1	10
	KRC117S	A	Y	SOT-23	NPN	50	0.1	0.2	2.2	2.2
	KRC118S	A	Y	SOT-23	NPN	50	0.1	0.2	2.2	10
	KRC120S	A	N	SOT-23	NPN	50	0.1	0.2	10	4.7
	KRC119S	A	Y	SOT-23	NPN	50	0.1	0.2	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
General Purpose BRT	KRA102	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	10	10
	KRA103	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	22	22
	KRA104	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	47	47
	KRA105	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	2.2	47
	KRA106	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	4.7	47
	KRA101	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	4.7	4.7
	KRA107	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	10	47
	KRA108	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	22	47
	KRA110	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	4.7	-
	KRA111	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	10	-
	KRA113	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	22	-
	KRA114	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	47	-
	KRA116	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	1	10
	KRA117	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	2.2	2.2
	KRA118	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	2.2	10
	KRA119	A	N	TO-92(AT)	PNP	-50	-0.1	0.625	4.7	10
	KRC101	A	N	TO-92(AT)	NPN	50	0.1	0.625	4.7	4.7
	KRC102	A	N	TO-92(AT)	NPN	50	0.1	0.625	10	10
	KRC103	A	N	TO-92(AT)	NPN	50	0.1	0.625	22	22
	KRC104	A	N	TO-92(AT)	NPN	50	0.1	0.625	47	47
	KRC105	A	N	TO-92(AT)	NPN	50	0.1	0.625	2.2	47
	KRC106	A	N	TO-92(AT)	NPN	50	0.1	0.625	4.7	47
	KRC107	A	N	TO-92(AT)	NPN	50	0.1	0.625	10	47
	KRC108	A	N	TO-92(AT)	NPN	50	0.1	0.625	22	47
	KRC110	A	N	TO-92(AT)	NPN	50	0.1	0.625	4.7	-
	KRC111	A	N	TO-92(AT)	NPN	50	0.1	0.625	10	-
	KRC113	A	N	TO-92(AT)	NPN	50	0.1	0.625	22	-
	KRC114	A	N	TO-92(AT)	NPN	50	0.1	0.625	47	-
	KRC116	A	N	TO-92(AT)	NPN	50	0.1	0.625	1	10
	KRC117	A	N	TO-92(AT)	NPN	50	0.1	0.625	2.2	2.2
	KRC118	A	N	TO-92(AT)	NPN	50	0.1	0.625	2.2	10
	KRC119	A	N	TO-92(AT)	NPN	50	0.1	0.625	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
General Purpose BRT	KRA301	A	Y	USM	PNP	-50	-0.1	0.1	4.7	4.7
	KRA302	A	Y	USM	PNP	-50	-0.1	0.1	10	10
	KRA303	A	Y	USM	PNP	-50	-0.1	0.1	22	22
	KRA304	A	Y	USM	PNP	-50	-0.1	0.1	47	47
	KRA305	A	Y	USM	PNP	-50	-0.1	0.1	2.2	47
	KRA306	A	Y	USM	PNP	-50	-0.1	0.1	4.7	47
	KRA310	A	N	USM	PNP	-50	-0.1	0.1	4.7	-
	KRA311	A	Y	USM	PNP	-50	-0.1	0.1	10	-
	KRA313	A	Y	USM	PNP	-50	-0.1	0.1	22	-
	KRA314	A	N	USM	PNP	-50	-0.1	0.1	47	-
	KRA318	A	Y	USM	PNP	-50	-0.1	0.1	2.2	10
	KRA319	A	Y	USM	PNP	-50	-0.1	0.1	4.7	10
	KRA307	A	Y	USM	PNP	-50	-0.1	0.1	10	47
	KRA308	A	N	USM	PNP	-50	-0.1	0.1	22	47
	KRA316	A	Y	USM	PNP	-50	-0.1	0.1	1	10
	KRA317	A	N	VSM	PNP	-50	-0.1	0.1	2.2	2.2
	KRC416	A	Y	USM	NPN	50	0.1	0.1	1	10
	KRC419	A	Y	USM	NPN	50	0.1	0.1	4.7	10
	KRC411	A	N	USM	NPN	50	0.1	0.1	10	-
	KRC407	A	Y	USM	NPN	50	0.1	0.1	10	47
	KRC408	A	Y	USM	NPN	50	0.1	0.1	22	47
	KRC401	A	Y	USM	NPN	50	0.1	0.1	4.7	4.7
	KRC402	A	Y	USM	NPN	50	0.1	0.1	10	10
	KRC403	A	Y	USM	NPN	50	0.1	0.1	22	22
	KRC404	A	Y	USM	NPN	50	0.1	0.1	47	47
	KRC405	A	Y	USM	NPN	50	0.1	0.1	2.2	47
	KRC406	A	Y	USM	NPN	50	0.1	0.1	4.7	47
	KRC410	A	Y	USM	NPN	50	0.1	0.1	4.7	-
	KRC413	A	Y	USM	NPN	50	0.1	0.1	22	-
	KRC414	A	Y	USM	NPN	50	0.1	0.1	47	-
	KRC417	A	Y	USM	NPN	50	0.1	0.1	2.2	2.2
	KRC418	A	Y	USM	NPN	50	0.1	0.1	2.2	10

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
General Purpose BRT	KRA310V	A	N	VSM	PNP	-50	-0.1	0.1	4.7	-
	KRA311V	A	Y	VSM	PNP	-50	-0.1	0.1	10	-
	KRA307V	A	N	VSM	PNP	-50	-0.1	0.1	10	47
	KRA308V	A	N	VSM	PNP	-50	-0.1	0.1	22	47
	KRA316V	A	N	VSM	PNP	-50	-0.1	0.1	1	10
	KRA317V	A	N	VSM	PNP	-50	-0.1	0.1	2.2	2.2
	KRA318V	A	N	VSM	PNP	-50	-0.1	0.1	2.2	10
	KRA319V	A	N	VSM	PNP	-50	-0.1	0.1	10	4.7
	KRA301V	A	N	VSM	PNP	-50	-0.1	0.1	4.7	4.7
	KRA303V	A	N	VSM	PNP	-50	-0.1	0.1	10	10
	KRA304V	A	Y	VSM	PNP	-50	-0.1	0.1	47	47
	KRA305V	A	N	VSM	PNP	-50	-0.1	0.1	2.2	47
	KRA306V	A	Y	VSM	PNP	-50	-0.1	0.1	4.7	47
	KRA313V	A	N	VSM	PNP	-50	-0.1	0.1	22	-
	KRA314V	A	N	VSM	PNP	-50	-0.1	0.1	47	-
	KRA302V	A	Y	VSM	PNP	-50	-0.1	0.1	10	10
	KRC402V	A	Y	VSM	NPN	50	0.1	0.1	10	10
	KRC403V	A	Y	VSM	NPN	50	0.1	0.1	22	22
	KRC404V	A	Y	VSM	NPN	50	0.1	0.1	47	47
	KRC405V	A	Y	VSM	NPN	50	0.1	0.1	2.2	47
	KRC406V	A	Y	VSM	NPN	50	0.1	0.1	4.7	47
	KRC407V	A	Y	VSM	NPN	50	0.1	0.1	10	47
	KRC408V	A	Y	VSM	NPN	50	0.1	0.1	22	47
	KRC410V	A	Y	VSM	NPN	50	0.1	0.1	4.7	-
	KRC411V	A	Y	VSM	NPN	50	0.1	0.1	10	-
	KRC401V	A	Y	VSM	NPN	50	0.1	0.1	4.7	4.7
	KRC422V	A	N	VSM	NPN	50	0.1	0.1	100	100
	KRC419V	A	N	VSM	NPN	50	0.1	0.1	4.7	10
	KRC414V	A	Y	VSM	NPN	50	0.1	0.1	47	-
	KRC413V	A	N	VSM	NPN	50	0.1	0.1	22	-
	KRA322V	A	N	VSM	NPN	50	0.1	0.1	100	100
	KRC416V	A	Y	VSM	NPN	50	0.1	0.1	1	10
	KRC417V	A	Y	VSM	NPN	50	0.1	0.1	2.2	2.2
	KRC418V	A	Y	VSM	NPN	50	0.1	0.1	2.2	10

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
Audio Muting BRT	KRC231S	A	N	SOT-23	NPN	15	0.6	0.2	2.2	-
	KRC232S	A	N	SOT-23	NPN	15	0.6	0.2	5.6	-
	KRC281S	A	N	SOT-23	NPN	20	0.3	0.15	2.2	-
	KRC232	A	Y	TO-92(AT)	NPN	15	0.6	0.625	5.6	-
	KRC231	A	N	TO-92(AT)	NPN	15	0.6	0.625	2.2	-
	KRC281	A	N	TO-92(AT)	NPN	20	0.3	0.625	2.2	-
High Current BRT	KRA352	A	N	USM	PNP	-12	-0.5	0.1	2.2	2.2
	KRA353	A	N	USM	PNP	-12	-0.5	0.1	4.7	4.7
	KRA354	A	N	USM	PNP	-12	-0.5	0.1	10	10
	KRA356	A	N	USM	PNP	-12	-0.5	0.1	1	10
	KRC452	A	N	USM	NPN	12	0.5	0.1	2.2	2.2
	KRC453	A	N	USM	NPN	12	0.5	0.1	4.7	4.7
	KRC454	A	N	USM	NPN	12	0.5	0.1	10	10
	KRC456	A	N	USM	NPN	12	0.5	0.1	1	10
	KRA222S	A	Y	SOT-23	PNP	-50	-0.8	0.2	2.2	2.2
	KRA223S	A	Y	SOT-23	PNP	-50	-0.8	0.2	4.7	4.7
	KRA224S	A	Y	SOT-23	PNP	-50	-0.8	0.2	10	10
	KRA225S	A	Y	SOT-23	PNP	-50	-0.8	0.2	1	10
	KRA226S	A	Y	SOT-23	PNP	-50	-0.8	0.2	2.2	10
	KRC243S	A	Y	SOT-23	NPN	50	0.8	0.2	4.7	4.7
	KRC244S	A	Y	SOT-23	NPN	50	0.8	0.2	10	10
	KRC245S	A	Y	SOT-23	NPN	50	0.8	0.2	1	10
	KRC242S	A	N	SOT-23	NPN	50	0.8	0.2	2.2	2.2
	KRC246S	A	Y	SOT-23	NPN	50	0.8	0.2	2.2	10
	KRA222	A	N	TO-92(AT)	PNP	-50	-0.8	0.625	2.2	2.2
	KRA223	A	N	TO-92(AT)	PNP	-50	-0.8	0.625	4.7	4.7
	KRA224	A	N	TO-92(AT)	PNP	-50	-0.8	0.625	10	10
	KRA225	A	N	TO-92(AT)	PNP	-50	-0.8	0.625	1	10
	KRA226	A	N	TO-92(AT)	PNP	-50	-0.8	0.625	2.2	10
	KRC242	A	N	TO-92(AT)	NPN	50	0.8	0.625	2.2	2.2
	KRC243	A	N	TO-92(AT)	NPN	50	0.8	0.625	4.7	4.7
	KRC244	A	N	TO-92(AT)	NPN	50	0.8	0.625	10	10
	KRC245	A	N	TO-92(AT)	NPN	50	0.8	0.625	1	10
	KRC246	A	N	TO-92(AT)	NPN	50	0.8	0.625	2.2	10

Category	Device Name	Status	AEC-Q	Package	Polarity	V _O [V]	I _O [A]	P _D [W]	R1_TYP [kΩ]	R2_TYP [kΩ]
High Current BRT	KRA726T	A	Y	TS6	PNP	-50	-0.8	0.9	2.2	10
	KRA722T	A	Y	TS6	PNP	-50	-0.8	0.9	2.2	2.2
	KRA723T	A	Y	TS6	PNP	-50	-0.8	0.9	4.7	4.7
	KRA724T	A	Y	TS6	PNP	-50	-0.8	0.9	10	10
	KRA725T	A	Y	TS6	PNP	-50	-0.8	0.9	1	10
	KRC841T	A	Y	TS6	NPN	50	0.8	0.9	1	1
	KRC844T	A	N	TS6	NPN	50	0.8	0.9	10	10
	KRC842T	A	Y	TS6	NPN	50	0.8	0.9	2.2	2.2
	KRC843T	A	Y	TS6	NPN	50	0.8	0.9	4.7	4.7
	KRC845T	A	Y	TS6	NPN	50	0.8	0.9	1	10
	KRC846T	A	Y	TS6	NPN	50	0.8	0.9	2.2	10
	KRA522T	A	N	TSV	PNP	-50	-0.8	0.9	2.2	2.2
	KRA523T	A	N	TSV	PNP	-50	-0.8	0.9	4.7	4.7
	KRA524T	A	N	TSV	PNP	-50	-0.8	0.9	10	10
	KRA525T	A	N	TSV	PNP	-50	-0.8	0.9	1	10
	KRA526T	A	N	TSV	PNP	-50	-0.8	0.9	2.2	10
	KRC642T	A	Y	TSV	NPN	50	0.8	0.9	2.2	2.2
	KRC643T	A	Y	TSV	NPN	50	0.8	0.9	4.7	4.7
	KRC645T	A	Y	TSV	NPN	50	0.8	0.9	1	10
	KRC646T	A	Y	TSV	NPN	50	0.8	0.9	2.2	10

Category	Device Name	Status	AEC-Q	Package	Polarity	BRT1_Vo [V]	BRT1_Io [A]	PD [W]	BRT1_R1 _TYP[kΩ]	BRT1_R2 _TYP[kΩ]
Complex BRT	KRA721E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	4.7
	KRA722E	A	N	TES6	PNP	-50	-0.1	0.2	10	10
	KRA723E	A	N	TES6	PNP	-50	-0.1	0.2	22	22
	KRA725E	A	N	TES6	PNP	-50	-0.1	0.2	2.2	47
	KRA726E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	47
	KRA727E	A	N	TES6	PNP	-50	-0.1	0.2	10	47
	KRA728E	A	N	TES6	PNP	-50	-0.1	0.2	22	47
	KRA730E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	-
	KRA731E	A	N	TES6	PNP	-50	-0.1	0.2	10	-
	KRA732E	A	N	TES6	PNP	-50	-0.1	0.2	100	-
	KRA733E	A	N	TES6	PNP	-50	-0.1	0.2	22	-
	KRA734E	A	N	TES6	PNP	-50	-0.1	0.2	47	-
	KRA736E	A	N	TES6	PNP	-50	-0.1	0.2	1	10
	KRA737E	A	N	TES6	PNP	-50	-0.1	0.2	2.2	2.2
	KRA738E	A	N	TES6	PNP	-50	-0.1	0.2	2.2	10
	KRA739E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	10
	KRA751E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	4.7
	KRA752E	A	N	TES6	PNP	-50	-0.1	0.2	10	10
	KRA753E	A	N	TES6	PNP	-50	-0.1	0.2	22	22
	KRA754E	A	N	TES6	PNP	-50	-0.1	0.2	47	47
	KRA755E	A	N	TES6	PNP	-50	-0.1	0.2	2.2	47
	KRA756E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	47
	KRA757E	A	N	TES6	PNP	-50	-0.1	0.2	10	47
	KRA760E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	-
	KRA761E	A	N	TES6	PNP	-50	-0.1	0.2	10	-
	KRA763E	A	N	TES6	PNP	-50	-0.1	0.2	22	-
	KRA764E	A	N	TES6	PNP	-50	-0.1	0.2	47	-
	KRA766E	A	N	TES6	PNP	-50	-0.1	0.2	1	10
	KRA767E	A	N	TES6	PNP	-50	-0.1	0.2	2.2	2.2
	KRA768E	A	N	TES6	PNP	-50	-0.1	0.2	2.2	10
	KRA769E	A	N	TES6	PNP	-50	-0.1	0.2	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	BRT1_Vo [V]	BRT1_Io [A]	PD [W]	BRT1_R1 _TYP[kΩ]	BRT1_R2 _TYP[kΩ]
Complex BRT	KRA551E	A	N	TESV	PNP	-50	-0.1	0.2	4.7	4.7
	KRA552E	A	N	TESV	PNP	-50	-0.1	0.2	10	10
	KRA553E	A	N	TESV	PNP	-50	-0.1	0.2	22	22
	KRA554E	A	N	TESV	PNP	-50	-0.1	0.2	47	47
	KRA555E	A	N	TESV	PNP	-50	-0.1	0.2	2.2	47
	KRA556E	A	N	TESV	PNP	-50	-0.1	0.2	4.7	47
	KRA557E	A	N	TESV	PNP	-50	-0.1	0.2	10	47
	KRA558E	A	N	TESV	PNP	-50	-0.1	0.2	22	47
	KRA560E	A	N	TESV	PNP	-50	-0.1	0.2	4.7	-
	KRA561E	A	N	TESV	PNP	-50	-0.1	0.2	10	-
	KRA562E	A	N	TESV	PNP	-50	-0.1	0.2	100	-
	KRA563E	A	N	TESV	PNP	-50	-0.1	0.2	22	-
	KRA564E	A	N	TESV	PNP	-50	-0.1	0.2	47	-
	KRA566E	A	N	TESV	PNP	-50	-0.1	0.2	1	10
	KRA567E	A	N	TESV	PNP	-50	-0.1	0.2	2.2	2.2
	KRA568E	A	N	TESV	PNP	-50	-0.1	0.2	2.2	10
	KRA569E	A	N	TESV	PNP	-50	-0.1	0.2	4.7	10
	KRA721U	A	N	US6	PNP	-50	-0.1	0.2	4.7	4.7
	KRA722U	A	N	US6	PNP	-50	-0.1	0.2	10	10
	KRA723U	A	N	US6	PNP	-50	-0.1	0.2	22	22
	KRA724U	A	N	US6	PNP	-50	-0.1	0.2	47	47
	KRA725U	A	N	US6	PNP	-50	-0.1	0.2	2.2	47
	KRA726U	A	N	US6	PNP	-50	-0.1	0.2	4.7	47
	KRA727U	A	N	US6	PNP	-50	-0.1	0.2	10	47
	KRA728U	A	N	US6	PNP	-50	-0.1	0.2	22	47
	KRA730U	A	N	US6	PNP	-50	-0.1	0.2	4.7	-
	KRA731U	A	N	US6	PNP	-50	-0.1	0.2	10	-
	KRA733U	A	N	US6	PNP	-50	-0.1	0.2	22	-
	KRA734U	A	N	US6	PNP	-50	-0.1	0.2	47	-
	KRA736U	A	N	US6	PNP	-50	-0.1	0.2	1	10
	KRA737U	A	N	US6	PNP	-50	-0.1	0.2	2.2	2.2
	KRA738U	A	N	US6	PNP	-50	-0.1	0.2	2.2	10
	KRA739U	A	N	US6	PNP	-50	-0.1	0.2	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	BRT1_Vo [V]	BRT1_Io [A]	PD [W]	BRT1 _R1 _TYP[kΩ]	BRT1 _R2 _TYP[kΩ]
Complex BRT	KRA751U	A	N	US6	PNP	-50	-0.1	0.2	4.7	4.7
	KRA752U	A	Y	US6	PNP	-50	-0.1	0.2	10	10
	KRA753U	A	N	US6	PNP	-50	-0.1	0.2	22	22
	KRA754U	A	Y	US6	PNP	-50	-0.1	0.2	47	47
	KRA755U	A	N	US6	PNP	-50	-0.1	0.2	2.2	47
	KRA756U	A	N	US6	PNP	-50	-0.1	0.2	4.7	47
	KRA757U	A	N	US6	PNP	-50	-0.1	0.2	10	47
	KRA758U	A	N	US6	PNP	-50	-0.1	0.2	22	47
	KRA760U	A	N	US6	PNP	-50	-0.1	0.2	4.7	-
	KRA761U	A	N	US6	PNP	-50	-0.1	0.2	10	-
	KRA763U	A	N	US6	PNP	-50	-0.1	0.2	22	-
	KRA764U	A	N	US6	PNP	-50	-0.1	0.2	47	-
	KRA766U	A	N	US6	PNP	-50	-0.1	0.2	1	10
	KRA767U	A	N	US6	PNP	-50	-0.1	0.2	2.2	2.2
	KRA768U	A	N	US6	PNP	-50	-0.1	0.2	2.2	10
	KRA769U	A	N	US6	PNP	-50	-0.1	0.2	4.7	10
	KRA551U	A	N	USV	PNP	-50	-0.1	0.2	4.7	4.7
	KRA552U	A	N	USV	PNP	-50	-0.1	0.2	10	10
	KRA553U	A	N	USV	PNP	-50	-0.1	0.2	22	22
	KRA554U	A	N	USV	PNP	-50	-0.1	0.2	47	47
	KRA555U	A	Y	USV	PNP	-50	-0.1	0.2	2.2	47
	KRA556U	A	N	USV	PNP	-50	-0.1	0.2	4.7	47
	KRA557U	A	N	USV	PNP	-50	-0.1	0.2	10	47
	KRA558U	A	N	USV	PNP	-50	-0.1	0.2	22	14
	KRA560U	A	N	USV	PNP	-50	-0.1	0.2	4.7	-
	KRA561U	A	N	USV	PNP	-50	-0.1	0.2	10	-
	KRA563U	A	N	USV	PNP	-50	-0.1	0.2	22	-
	KRA564U	A	N	USV	PNP	-50	-0.1	0.2	47	-
	KRA566U	A	N	USV	PNP	-50	-0.1	0.2	1	10
	KRA567U	A	N	USV	PNP	-50	-0.1	0.2	2.2	2.2
	KRA568U	A	N	USV	PNP	-50	-0.1	0.2	2.2	10
	KRA569U	A	N	USV	PNP	-50	-0.1	0.2	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	BRT1_V _o [V]	BRT1_I _o [A]	PD [W]	BRT1 _R1 _TYP[kΩ]	BRT1 _R2 _TYP[kΩ]
Complex BRT	KRC651E	A	N	TESV	NPN	50	0.1	0.2	4.7	4.7
	KRC652E	A	N	TESV	NPN	50	0.1	0.2	10	10
	KRC653E	A	Y	TESV	NPN	50	0.1	0.2	22	22
	KRC654E	A	N	TESV	NPN	50	0.1	0.2	47	47
	KRC655E	A	N	TESV	NPN	50	0.1	0.2	2.2	47
	KRC656E	A	N	TESV	NPN	50	0.1	0.2	4.7	47
	KRC657E	A	Y	TESV	NPN	50	0.1	0.2	10	47
	KRC658E	A	N	TESV	NPN	50	0.1	0.2	22	47
	KRC659E	A	N	TESV	NPN	50	0.1	0.2	47	22
	KRC660E	A	N	TESV	NPN	50	0.1	0.2	4.7	-
	KRC661E	A	N	TESV	NPN	50	0.1	0.2	10	-
	KRC662E	A	N	TESV	NPN	50	0.1	0.2	100	-
	KRC663E	A	N	TESV	NPN	50	0.1	0.2	22	-
	KRC664E	A	N	TESV	NPN	50	0.1	0.2	47	-
	KRC666E	A	N	TESV	NPN	50	0.1	0.2	1	10
	KRC667E	A	N	TESV	NPN	50	0.1	0.2	2.2	2.2
	KRC668E	A	N	TESV	NPN	50	0.1	0.2	2.2	10
	KRC669E	A	N	TESV	NPN	50	0.1	0.2	4.7	10
	KRC821U	A	N	US6	NPN	50	0.1	0.2	4.7	4.7
	KRC822U	A	N	US6	NPN	50	0.1	0.2	10	10
	KRC823U	A	N	US6	NPN	50	0.1	0.2	22	22
	KRC824U	A	N	US6	NPN	50	0.1	0.2	47	47
	KRC825U	A	N	US6	NPN	50	0.1	0.2	2.2	47
	KRC826U	A	N	US6	NPN	50	0.1	0.2	4.7	47
	KRC827U	A	N	US6	NPN	50	0.1	0.2	10	47
	KRC828U	A	N	US6	NPN	50	0.1	0.2	22	47
	KRC830U	A	N	US6	NPN	50	0.1	0.2	4.7	-
	KRC831U	A	N	US6	NPN	50	0.1	0.2	10	-
	KRC833U	A	N	US6	NPN	50	0.1	0.2	22	-
	KRC834U	A	N	US6	NPN	50	0.1	0.2	47	-
	KRC836U	A	N	US6	NPN	50	0.1	0.2	1	10
	KRC837U	A	N	US6	NPN	50	0.1	0.2	2.2	2.2
	KRC838U	A	N	US6	NPN	50	0.1	0.2	2.2	10
	KRC839U	A	N	US6	NPN	50	0.1	0.2	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	BRT1_V _o [V]	BRT1_I _o [A]	PD [W]	BRT1 _R1 _TYP[kΩ]	BRT1 _R2 _TYP[kΩ]
Complex BRT	KRC851U	A	N	US6	NPN	50	0.1	0.2	4.7	4.7
	KRC852U	A	Y	US6	NPN	50	0.1	0.2	10	10
	KRC853U	A	Y	US6	NPN	50	0.1	0.2	22	22
	KRC854U	A	Y	US6	NPN	50	0.1	0.2	47	47
	KRC855U	A	Y	US6	NPN	50	0.1	0.2	2.2	47
	KRC856U	A	N	US6	NPN	50	0.1	0.2	4.7	47
	KRC857U	A	Y	US6	NPN	50	0.1	0.2	10	47
	KRC858U	A	N	US6	NPN	50	0.1	0.2	22	47
	KRC860U	A	N	US6	NPN	50	0.1	0.2	4.7	-
	KRC861U	A	N	US6	NPN	50	0.1	0.2	10	-
	KRC863U	A	N	US6	NPN	50	0.1	0.2	22	-
	KRC864U	A	N	US6	NPN	50	0.1	0.2	47	-
	KRC866U	A	N	US6	NPN	50	0.1	0.2	1	10
	KRC867U	A	N	US6	NPN	50	0.1	0.2	2.2	2.2
	KRC868U	A	Y	US6	NPN	50	0.1	0.2	2.2	10
	KRC869U	A	N	US6	NPN	50	0.1	0.2	4.7	10
	KRC663U	A	N	USV	NPN	30	0.1	0.2	22	-
	KRC651U	A	N	USV	NPN	50	0.1	0.2	4.7	4.7
	KRC652U	A	Y	USV	NPN	50	0.1	0.2	10	10
	KRC653U	A	N	USV	NPN	50	0.1	0.2	22	22
	KRC654U	A	N	USV	NPN	50	0.1	0.2	47	47
	KRC655U	A	Y	USV	NPN	50	0.1	0.2	2.2	47
	KRC656U	A	Y	USV	NPN	50	0.1	0.2	4.7	47
	KRC657U	A	Y	USV	NPN	50	0.1	0.2	10	47
	KRC658U	A	N	USV	NPN	50	0.1	0.2	22	47
	KRC660U	A	Y	USV	NPN	50	0.1	0.2	4.7	-
	KRC661U	A	N	USV	NPN	50	0.1	0.2	10	-
	KRC664U	A	N	USV	NPN	50	0.1	0.2	47	-
	KRC666U	A	N	USV	NPN	50	0.1	0.2	1	10
	KRC667U	A	N	USV	NPN	50	0.1	0.2	2.2	2.2
	KRC668U	A	N	USV	NPN	50	0.1	0.2	2.2	10
	KRC669U	A	N	USV	NPN	50	0.1	0.2	4.7	10

Category	Device Name	Status	AEC-Q	Package	Polarity	BRT1 _V _o [V]	BRT1 _I _o [A]	BRT2 _V _o [V]	BRT2 _I _o [A]	PD [W]	BRT1 _R1 _TYP [kΩ]	BRT1 _R2 _TYP [kΩ]	BRT2 _R1 _TYP [kΩ]	BRT2 _R2 _TYP [kΩ]
Complex BRT	KRX210E	A	Y	TES6	NPN_PNP	-30	-0.5	50	0.1	0.2	1	10	10	10
	KRX201E	A	Y	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	10	10	10	10
	KRX202E	A	N	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	22	22	22	22
	KRX203E	A	Y	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	47	47
	KRX204E	A	Y	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	2.2	47	2.2	47
	KRX206E	A	Y	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	10	47	10	47
	KRX207E	A	N	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	10	10	10	47
	KRX208E	A	Y	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	4.7	10
	KRX209E	A	Y	TES6	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	10	47
	KRX101E	A	Y	TESV	NPN_PNP	50	0.1	-50	-0.1	0.2	10	10	10	10
	KRX102E	A	Y	TESV	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	10	47
	KRX103E	A	Y	TESV	NPN_PNP	50	0.1	-50	-0.1	0.2	22	22	22	22
	KRX104E	A	Y	TESV	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	4.7	10
	KRX201U	A	Y	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	10	10	10	10
	KRX202U	A	Y	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	22	22	22	22
	KRX203U	A	Y	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	47	47
	KRX204U	A	Y	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	2.2	47	2.2	47
	KRX207U	A	N	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	10	10	10	47
	KRX208U	A	N	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	4.7	10
	KRX209U	A	N	US6	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	10	47
	KRX101U	A	Y	USV	NPN_PNP	50	0.1	-50	-0.1	0.2	10	10	10	10
	KRX102U	A	Y	USV	NPN_PNP	50	0.1	-50	-0.1	0.2	47	47	10	47
	KRX103U	A	Y	USV	NPN_PNP	50	0.1	-50	-0.1	0.2	22	22	22	22

Darlington transistor

Category	Device Name	Status	AEC-Q	Package	Polarity	V _{CEO} [V]	I _C [A]	P _C [W]	h _{FE_Min}	h _{FE_Max}	V _{CE(SAT)} _MAX [V]
Darlington transistor	KTB2640G	New	N	TO-3P(N)-E	PNP	-150	-15	130	6500	30000	-2.5
	KTB2630G	New	N	TO-3P(N)-E	PNP	-150	-10	100	6500	30000	-2.5
	KTB1423	A	N	TO-220IS	PNP_PNP	-120	-5	30	1000	-	-2
	KTB1424	A	N	TO-220IS	PNP_PNP	-60	-3	25	3000	-	-1.5
	MMBTA63	A	N	SOT-23	PNP	-30	-0.5	0.35	5000	-	-1.5
	MMBTA13	A	N	SOT-23	NPN	30	0.5	0.35	5000	-	1.5
	MMBTA517	A	N	SOT-23	NPN	30	0.4	0.35	30000	-	1
	BC517	A	N	TO-92(AT)	NPN	30	0.5	0.625	30000	-	1
	MPSA13	A	N	TO-92(AT)	NPN	30	0.5	0.625	5000	-	1.5
	KTD1411	A	N	TO-126	NPN_NPN	60	4	15	3000	-	1.5
	KTD1414	A	N	TO-220IS	NPN_NPN	80	4	25	2000	-	1.5
	KTD1413	A	N	TO-220IS	NPN_NPN	100	5	25	2000	-	1.5
	KTD1415	A	N	TO-220IS	NPN_NPN	100	7	30	2000	15000	1.5
	MJD112	A	N	DPAK	NPN	100	2	1	1000	-	2
	KTD2854	A	N	TO-92L(AT)	NPN_NPN	100	2	1	2000	-	1.5
	KTD1640G	New	N	TO-3P(N)-E	NPN	150	15	130	6500	30000	2.5
	KTD1630G	New	N	TO-3P(N)-E	NPN	150	10	100	6500	30000	2.5

Category	Device Name	Status	AEC-Q	Package	Polarity	TR_V _{CEO} [V]	TR_I _C [A]	BRT_V _O [V]	BRT_R1 [kΩ]	BRT_R2 [kΩ]	BRT_I _C [A]	P _C [W]
General Purpose Transistor + BRT	KTX213U	A	Y	US6	NPN_PNP	-12	-0.5	50	47	47	0.1	0.2

Category	Device Name	Status	AEC-Q	Package	Polarity	TR_V _{CEO} [V]	TR_I _C [A]	DIODE_V _R [V]	DIODE_I _O [A]	P _C [W]
General Purpose Transistor + Switching Diode	KTX711T	A	Y	TS6	PNP	-80	-0.5	80	0.2	0.9
	KTX811T	A	Y	TS6	NPN	80	0.5	80	0.2	0.9
	KTX304S	New	N	SOT-23	PNP	-60	-0.6	1.2	0.15	0.35
	KTX404S	New	N	SOT-23	NPN	75	0.6	1.2	0.1	0.35

Category	Device Name	Status	AEC-Q	Package	Polarity	V _S [V]	P _D [W]	I _{O_TYP} [mA]	V _{DROP_MAX} [V]
Current Regulating Device	KCR401T	A	Y	TS6	NPN	40	0.9	10	1
	KCR402T	A	Y	TS6	NPN	40	0.9	20	0.9
	KCR405T	A	Y	TS6	NPN	40	0.9	50	0.8

Category	Device Name	Status	AEC-Q	Package	Output-Type	V _{CE_MAX} [V]	I _{OUT_MAX} [A/ch]	Clamp Diode	Ch
Darlington driver	KID65001AF	A	Y	FLP-16	Open Collector	50	0.5	O	7
	KID65001AP	A	Y	DIP-16	Open Collector	50	0.5	O	7
	KID65002AF	A	Y	FLP-16	Open Collector	50	0.5	O	7
	KID65002AP	A	Y	DIP-16	Open Collector	50	0.5	O	7
	KID65003AF	A	Y	FLP-16	Open Collector	50	0.5	O	7
	KID65003AP	A	Y	DIP-16	Open Collector	50	0.5	O	7
	KID65004AF	A	Y	FLP-16	Open Collector	50	0.5	O	7
	KID65004AP	A	Y	DIP-16	Open Collector	50	0.5	O	7
	KID65083AF	A	Y	FLP-20	Open Collector	50	0.5	O	8
	KID65083AP	A	Y	DIP-18(1)	Open Collector	50	0.5	O	8
	KID65083BF	A	Y	FLP-18	Open Collector	50	0.5	O	8
	KID65084AF	A	Y	FLP-20	Open Collector	50	0.5	O	8
	KID65084AP	A	Y	DIP-18(1)	Open Collector	50	0.5	O	8
	KID65783AF	A	Y	FLP-20	Source Emitter	50	0.5	O	8
High Voltage Source Driver	KID65783AP	A	Y	DIP-18(1)	Source Emitter	50	0.5	O	8
	KID65783BF	A	Y	FLP-18	Source Emitter	50	0.5	O	8
Single Driver	KID65501F	A	Y	FLP-16	Common Emitter	35	0.2	X	7
	KID65501P	A	Y	DIP-16	Common Emitter	35	0.2	X	7
	KID65502F	A	Y	FLP-16	Common Emitter	35	0.2	X	7
	KID65502P	A	Y	DIP-16	Common Emitter	35	0.2	X	7
	KID65503F	A	Y	FLP-16	Common Emitter	35	0.2	X	7
	KID65503P	A	Y	DIP-16	Common Emitter	35	0.2	X	7
	KID65504F	A	Y	FLP-16	Common Emitter	35	0.2	X	7
	KID65504P	A	Y	DIP-16	Common Emitter	35	0.2	X	7
	KID65505F	A	Y	FLP-16	Common Collector	35	0.2	X	7
	KID65505P	A	Y	DIP-16	Common Collector	35	0.2	X	7
	KID65506F	A	Y	FLP-16	Common Collector	35	0.2	X	7
	KID65506P	A	Y	DIP-16	Common Collector	35	0.2	X	7
	KID65507F	A	Y	FLP-16	Isolated	35	0.2	X	5
	KID65507P	A	Y	DIP-16	Isolated	35	0.2	X	5



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