



Transistors

ROHM

• FTR, ATR Types

* New Products ▲ Maintenance part.

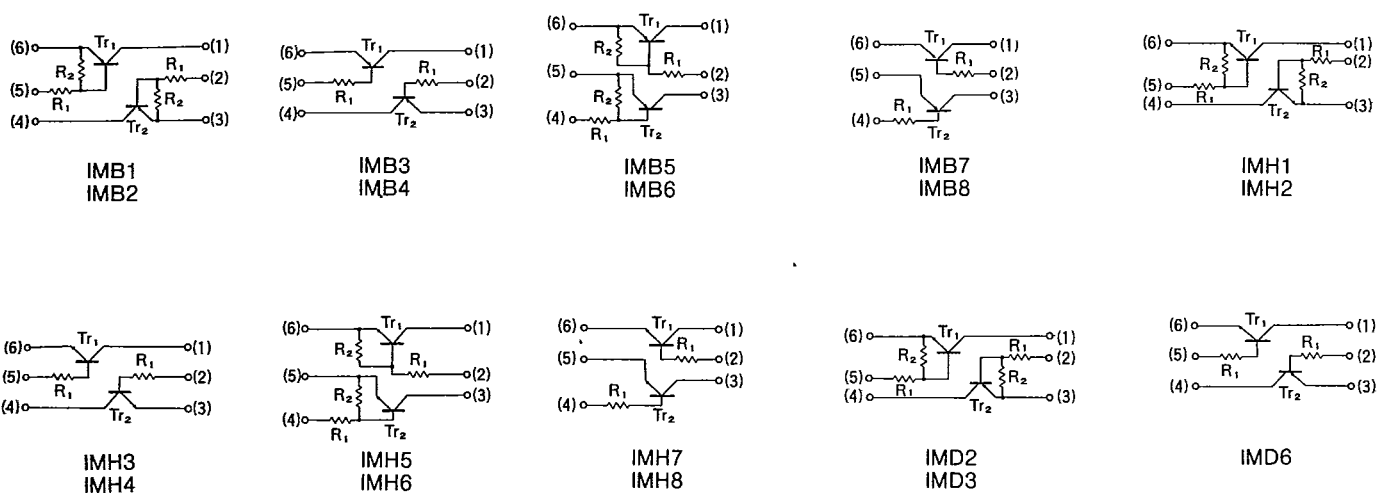
Function	Type	V_{CE} (V)	I_C (mA)	P_C (mW)	f_T (MHz)	C_{ob} (pF)	h_{FE}	Package	
TV Tuner Mix Osc.	2SC3080	19	50	300	1100	1.2	39~270	FTR	Fig. 9
	2SC3080M	19	50	300	1100	1.2	39~270	ATR	Fig. 10
	2SC4045	11	50	150	3200	1.0	27~270	FTR	Fig. 9
Chroma	*2SC3270M	300	100	1000	100	3.0	39~180	ATR	Fig. 10
FM RF Mix Osc.	2SC3079M	20	20	150	500	1.4	39~180	ATR	Fig. 10
FM IF Local Osc. Conv. AM RF Local Osc. Conv.	2SC2063	25	50	250	300	1.6	56~270	FTR	Fig. 9
	2SC2063M	25	50	250	300	1.6	56~270	ATR	Fig. 10
	2SC3078M	32	100	250	230	1.8	39~180	ATR	Fig. 10
Low Noise Amp	2SA937LN	-40	-100	300	140	4.0	180~560	FTR	Fig. 9
	2SA937MLN	-40	-100	300	140	4.0	180~560	ATR	Fig. 10
	2SB821	-40	-300	250	100	20.0	120~560	FTR	Fig. 9
	2SC1613A	80	50	150	140	3.0	120~560	FTR	Fig. 9
	2SC2021LN	40	100	300	180	2.0	180~820	FTR	Fig. 9
	2SC2021MLN	40	100	300	180	2.0	180~820	ATR	Fig. 10
Pre Amp	2SA785	-80**	-50	150	180	6.5	82~270	FTR	Fig. 9
	2SA937	-40	-100	300	140	4.0	82~390	FTR	Fig. 9
	2SA937M	-40	-100	300	140	4.0	82~390	ATR	Fig. 10
	2SC2021	40	100	300	180	2.0	120~820	FTR	Fig. 9
	2SC2021M	40	100	300	180	2.0	120~820	ATR	Fig. 10
Driver	2SA874	-32	-500	300	200	7.5	82~390	FTR	Fig. 9
	2SA874M	-32	-500	300	200	7.5	82~390	ATR	Fig. 10
	2SA881	-32	-1000	600	150	20.0	82~390	FTR	Fig. 9
	2SB822	-32	-2000(I_{CM} 3000)	750	100	50.0	82~390	FTR	Fig. 9
	2SB851	-80	-700	750	100	14.0	82~390	FTR	Fig. 9
	2SB909M	-32	-1000	1000	150	20.0	82~390	ATR	Fig. 10
	2SB910M	-80	-700	1000	100	14.0	82~390	ATR	Fig. 10
	2SB911M	-32	-2000(I_{CM} 3000)	1000	100	50.0	82~390	ATR	Fig. 10
	2SB1042M	-80	-1000	1000	100	25.0	82~390	ATR	Fig. 10
	2SB1044M	-50	-1000	1000	100	25.0	82~390	ATR	Fig. 10
	2SB1066M	-50	-3000	1000	70	50.0	56~390	ATR	Fig. 10
	2SB1130AM	-160	-1500	1000	50	30	56~270	ATR	Fig. 10
	2SB1130M	-120	-1500	1000	50	30	56~390	ATR	Fig. 10
	2SB1199	-15	-200	300	—	—	56~	FTR	Fig. 9
	2SC1652	32	500	400	250	6.2	82~390	FTR	Fig. 9
	2SC1652M	32	500	400	250	6.2	82~390	ATR	Fig. 10
	2SC2673	32	1000	600	150	15.0	82~390	FTR	Fig. 9
	2SD1055	32	2000(I_{CM} 2500)	750	100	50.0	82~390	FTR	Fig. 9
	2SD1225M	32	1000	1000	150	15.0	82~390	ATR	Fig. 10
	2SD1226M	80	700	1000	120	10.0	82~390	ATR	Fig. 10
	2SD1227M	32	2000(I_{CM} 2500)	1000	100	50.0	82~390	ATR	Fig. 10
	2SD1228M	50	500	600	250	6.5	82~390	ATR	Fig. 10
	2SD1293M	80	1000(I_{CM} 2000)	1000	100	20.0	82~390	ATR	Fig. 10
	2SD1507M	50	3000	1000	90	40.0	56~390	ATR	Fig. 10
	2SD1665AM	160	1500(I_{CM} 3000)	1000	80	20	56~270	ATR	Fig. 10
	2SD1665M	120	1500(I_{CM} 3000)	1000	80	20	56~390	ATR	Fig. 10
Low $V_{CE(sat)}$	2SD1787	50	500	400	250	6.5	82~390	FTR	Fig. 9
	2SD1469	15	1000	600	150	15.0	120~560	FTR	Fig. 9
	2SD1469M	15	1000	600	150	15.0	120~560	ATR	Fig. 10
Indicator Drive High Voltage Switching	▲2SA802	-130**	-30	150	50	8.0	56~270	FTR	Fig. 9
	▲2SA805	-180**	-30	150	50	8.0	56~270	FTR	Fig. 9
	2SA806	-210**	-30	150	50	8.0	56~270	FTR	Fig. 9
	▲2SC1613	130**	30	150	60	6.0	56~270	FTR	Fig. 9
	▲2SC1614	180**	30	150	60	6.0	56~270	FTR	Fig. 9
Darlington Driver	2SC1615	210**	30	150	60	6.0	56~270	FTR	Fig. 9
	2SA790	-32*	-300(I_{CM} 1500)	300	200	5.5	1K~	FTR	Fig. 9
	2SA790M	-32*	-300(I_{CM} 1500)	300	200	5.5	1K~	ATR	Fig. 10
	2SB1076M	-40**	-2000	1000	150	11	1K~	ATR	Fig. 10
	2SC1545	32*	300(I_{CM} 1500)	300	250	5.0	1K~	FTR	Fig. 9
	2SC1545M	32*	300(I_{CM} 1500)	300	250	5.0	1K~	ATR	Fig. 10
	2SD1536M	40**	2000	1000	150	11	1K~	ATR	Fig. 10
	2SD1660M	100	1500	1000	—	25	1K~10K	ATR	Fig. 10
	2SD1661M	60±10	1500	1000	—	25	1K~10K	ATR	Fig. 10

* V_{CES} ** V_{CES}



Transistors

FMT, IMD Equivalent Integrated Circuits



Dimensions (Unit: mm)

CPT (DPAK)

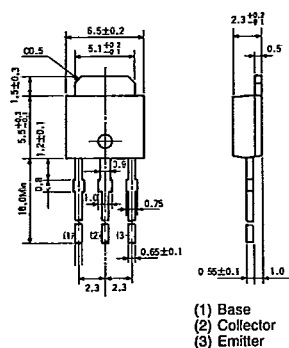


Fig. 7

CPT-F5 (DPAK)

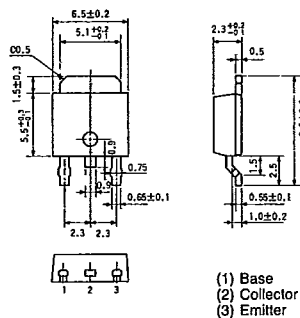


Fig. 8

FTR

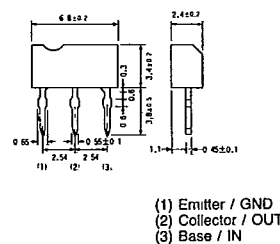


Fig. 9

ATR

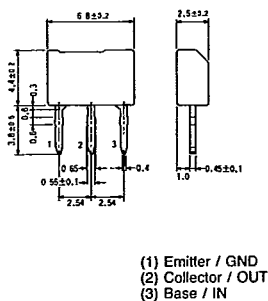


Fig. 10

FTL TL2*

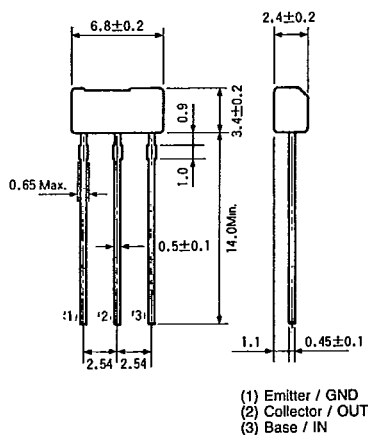


Fig. 11

FTL TL3*

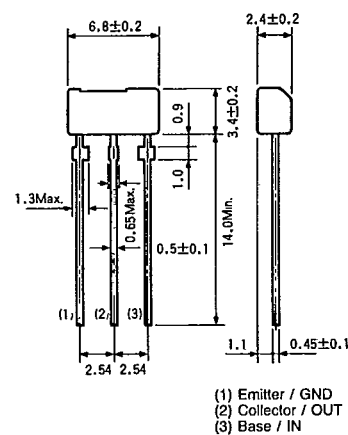


Fig. 12