

MPT • CPT F5 • PSD

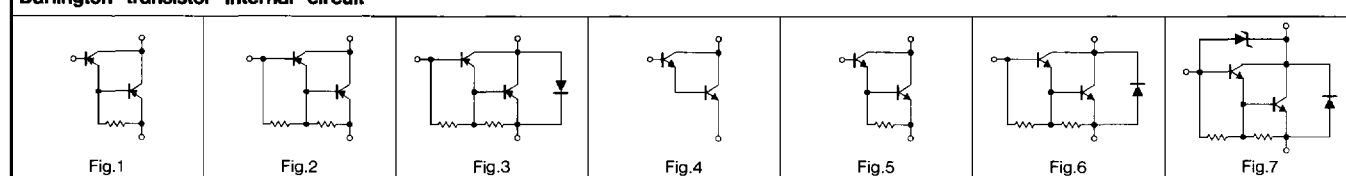
Application	Package			V _{CEO} (V) *V _{CEs} **V _{CEr}	I _c (A)	I _c Max. (A)	P _c (W)		h _{FE}	V _{CE} (V)	I _c (mA)	Circuit	
	MPT	CPT F5	PSD				MPT (Ta=25°C)	CPT PSD (Tc=25°C)					
	Part No.												
Driver		2SB1132	—	—	-32	-1	—	2*	—	82~390	-3	-100	—
	New	2SA1900	—	—	-50	-1	-2	2*	—	82~390	-3	-500	—
		—	2SB1184	—	-50	-3	—	—	15	82~390	-3	-500	—
		2SB1188	2SB1182	—	-32	-2	—	2*	10	82~390	-3	-500	—
		2SB1189	—	—	-80	-0.7	—	2*	—	82~390	-3	-100	—
		2SB1260	2SB1181	—	-80	-1	—	2*	10	82~390	-3	-100	—
		—	2SB1275	—	-160	-1.5	—	—	10	56~270	-5	-100	—
		—	2SB1516	—	-80	-3	—	—	10	56~270	-2	-400	—
		—	2SB1535	—	-100	-6	—	—	10	56~270	-1	-550	—
		2SC4132	—	—	120	2	—	2*	—	56~390	5	100	—
		2SD1664	—	—	32	1	—	2*	—	82~390	3	100	—
	New	2SC5053	—	—	50	1	2	2*	—	82~390	3	500	—
		—	2SD1760	—	50	3	—	—	15	82~390	3	500	—
		2SD1766	2SD1758	—	32	2	—	2*	10	82~390	3	500	—
		2SD1767	—	—	80	0.7	—	2*	—	82~390	3	100	—
		2SD1898	2SD1733	—	80	1	—	2*	10	82~390	3	500	—
		2SD2211	2SD1918	—	160	1.5	—	2*	10	56~270	5	100	—
		2SD2167	—	—	31±4	2	3	2*	—	56~270	3	500	—
Low V _{CE(sat)}		2SA1797	—	—	-50	-2	-5	2*	—	82~270	-2	-500	—
		—	—	☆2SA1870	-60	-12	—	—	35	60~320	-2	-2000	—
		2SB1424	—	—	-20	-3	-5	2*	—	82~390	-2	-100	—
	New	2SB1561	—	—	-60	-2	-5	2*	—	82~270	-2	-500	—
		2SC4672	—	—	50	2	5	2*	—	82~270	2	500	—
		—	—	☆2SC4939	60	12	—	—	35	60~320	2	2000	—
		—	2SC5103	—	60	5	10	—	10	82~270	2	1000	—
		2SD2150	—	—	20	3	5	2*	—	120~560	2	100	—
New	2SD2391	—	—	60	2	5	2*	—	82~270	2	500	—	
Strobo Flash Low V _{CE(sat)}		— New 2SA1834	—	—	-20	-10	-15	—	10	120~560	-2	-500	—
		2SB1308	—	—	-20	-3	-5	2*	—	82~390	-2	-500	—
		2SB1386	2SB1412	—	-20	-5	-10	2*	10	82~390	-2	-500	—
		—	2SC5001	—	20	10	15	—	10	120~560	2	500	—
		2SD1963	—	—	20	3	5	2*	—	120~560	2	500	—
		2SD2098	2SD2118	—	20	5	10	2*	10	120~560	2	500	—
High h _{FE}		2SB1427	—	—	-20	-2	-3	2*	—	270~1200	-6	-500	—
		2SD2153	—	—	25	2	3	2*	—	390~2700	6	500	—
		—	2SD2318	—	60	3	4.5	—	15	390~1800	4	500	—
Darlington		—	2SB1183	—	-40**	-2	—	—	10	1k~200k	-3	-500	Fig.1
		—	2SB1316	—	-100	-2	—	—	10	1k~10k	-2	-1000	Fig.3
		—	2SB1474	—	-80	-4	—	—	10	1k~10k	-3	-2000	Fig.2
		—	2SD1759	—	40**	2	—	—	10	1k~200k	3	500	Fig.5
		2SD1834	—	—	60*	1	—	2*	—	2k~	3	500	Fig.4
		2SD2195	2SD1980	—	100	2	—	2*	10	1k~10k	2	1000	Fig.6
		2SD2170	—	—	90 ⁺²⁰ ₋₁₀	2	3	2*	—	1k~10k	2	1000	Fig.7
		2SD2212	2SD2143	—	60±10	2	—	2*	10	1k~10k	2	1000	Fig.7
High Voltage SW		2SA1759	—	—	-400	-0.1	-0.2	2*	—	56~270	-10	-10	—
		2SA1812	2SA1727	—	-400	-0.5	-1	2*	10	56~270	-5	-50	—
		—	2SA1862	—	-400	-2	-4	—	10	56~180	-5	-100	—
		—	2SA1807	—	-600	-1	-2	—	10	56~180	-5	-100	—
		2SC4505	—	—	400	0.1	—	2*	—	56~270	10	10	—
		—	—	☆2SC4937	400	2	—	—	35	16~50	5	0.1	—
		—	—	☆2SC4938	400	5	—	—	35	16~50	5	3	—

Notes : 1. ☆Under development

2. * F5 denotes surface mount version of CPT (SC-64)

3. ★Package mounted on ceramic 40×40×0.7mm

Darlington transistor internal circuit



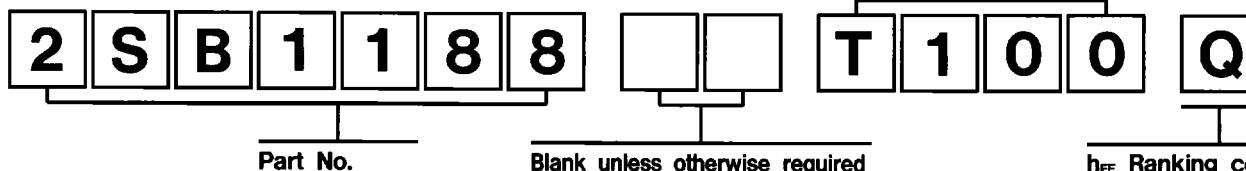
MPT • CPT F5 • PSD

●Product Designation

Specify part No., packaging specification code and h_{FE} ranking code.

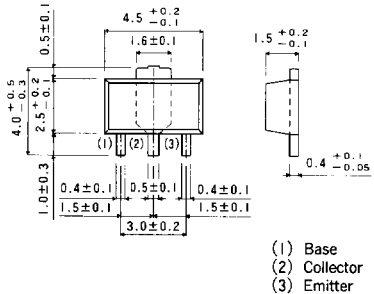
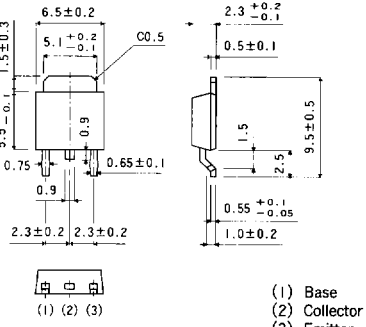
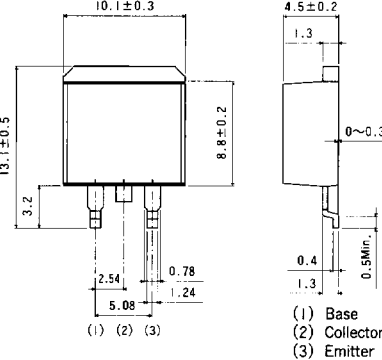
Package	MPT	CPT F5	PSD
Code	T101	TL	TL
	T100	TR	TR

Packaging specification code



Code	h_{FE} Range
L	27~56
M	39~82
N	56~120
P	82~180
Q	120~270
R	180~390
S	270~560
E	390~820
U	560~1200
V	820~1800
W	1200~2700
A	1k~
B	5k~
C	10k~

(Unit : mm)

Package	MPT (SOT-89)	CPT F5 (D PAK)	PSD (D ² PAK)
Dimensions	 (1) Base (2) Collector (3) Emitter	 (1) Base (2) Collector (3) Emitter	 (1) Base (2) Collector (3) Emitter
Actual size			
External dimensions (×1.0)			

●Packaging

Package	Packaging type	Packaging style	Direction	Code	Quantity /Package (pcs)	Quantity /Unit (pcs)
MPT	Taping	Embossed reel tape	Pin 3 side on sprocket hole side	T100	1,000	—
			Fin on sprocket hole side	T101		
CPT F5	Taping	Embossed reel tape	Fin on sprocket hole side	TL	2,500	—
			Pin 3 side on sprocket hole side	TR		
PSD	Taping	Embossed reel tape	Fin on sprocket hole side	TL	1,000	—
			Pin 3 side on sprocket hole side	TR		
	Bulk	Polyethylene bag	—	—	500	100

●Packaging Specifications

(Unit : mm)

Reel	Tape
MPT (SOT-89)	
CPT F5 (D PAK)	
PSD (D² PAK)	

Transistors

Transistors

Land pattern

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The Class and Basic ordering units for Standard and Special Products Units

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Part Marking

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