パワートランジスタ POWER TRANSISTORS

ダーリントンパワートランジスタ Darlington Power Transistors

T-33-29

品名 EIAJ No.	品名 Type No.	絶対最大定格 Absolute Maximum Ratings VCBO [V]	VCEO [V]	VEBO [V]	IC [A]	IB [A]	PT [W]	Tstg [℃]	Tj [℃]	電気的・熱的特性 Electrical Characteristics VCEO(sus) (min) [V]	hFE (min)	VCE(sat) (max) [V]	VBE(sat) (max) [V]	θjc (max) [℃/W]	fT (typ) [MHz]	ton (max) [μS]	ts (max) [μS]	tf (max) [μS]	外形 No. Outline No.
2SD1022	T5L10	100	100	7	5	0.5	30	−55～+150	+150	—	1500	1.5	2	4.17	50	2	5	3	Fig. 7
1023	20	200	200														8	5	
1024	T8L10	100	100	7	8	0.5	50	−55～+150	+150	—	1500	1.5	2	2.5	50	2	5	3	Fig. 7
1025	20	200	200														8	5	
1026	T15L10	100	100	7	15	1	100	−55～+150	+150	—	1500	1.5	2	1.25	50	2	5	3	Fig. 9
1027	20	200	200														8	5	
1349	T7K40	500	400	12	7	0.5	50	−55～+150	+150	400	150	1.5	2	2.5	10	2	12	9	Fig. 7
2SD1788	TP4L10	100	100	7	±4	0.3	25	−55～+150	+150	—	1500	1.5	2	5.0	50	2	12	5	Fig. 8
1789	20	200	200																
1790	6Z	60±10	60±10																
1791	TP7L10	100	100	7	7	0.5	30	−55～+150	+150	—	1500	1.5	2	4.17	50	2	12	5	Fig. 8
1792	20	200	200																
1793	TP10L10	100	100	7	10	0.5	50	−55～+150	+150	—	1500	1.5	2	2.5	50	2	12	5	Fig. 8
1794	20	200	200																
1795	TP10K40	500	400	12	10	0.5	50	−55～+150	+150	—	150	1.5	2	2.5	10	2	15	15	Fig. 8
2SB1282	TP4J10	−100	−100	−7	∓4	−0.3	25	−55～+150	+150	—	1500	−1.5	−2	5	50	1	4	2	Fig. 8
1283	TP7J10				−7	−0.5	30							4.16					
1284	TP10J10				−10	−0.8	35							3.57					
1285	T15J10				−15	−1	100							1.25					Fig. 9

ダーリントントランジスタアレイ Darlington Transistor Arrays

品名 Type No.	絶対最大定格 Absolute Maximum Ratings VCBO [V]	VCEO [V]	VEBO [V]	IC [A]	IB [A]	PT [W]	Tstg [℃]	Tj [℃]	電気的・熱的特性 Electrical Characteristics hFE (min)	VCE(sat) (max) [V]	VBE(sat) (max) [V]	θja (max) [℃/W]	ton (max) [μS]	ts (max) [μS]	tf (max) [μS]	備考 Remarks	外形 No. Outline No.
TH3L10	100	100	7	±3	0.3	3.5	−55～+150	+150	1500	1.5	2	35	2	8	3	NPN×4	Fig. 11
3L20	200	200															
3C10	±100	±100	±7	±3	±0.3					±1.5	±2					NPN×2, PNP×2	
3J10	−100	−100	−7	∓3	−0.3					−1.5	−2					PNP×4	
3L10Z※	60±10	60±10	7	±3	0.3					1.5	2					NPN×4	
5L10	100	100	7	5	0.5					1.5	2		2	8	5	NPN×4	
5L20	200	200															
TK3L10	100	100	7	±3	0.3	2.5	−55～+150	+150	1500	1.5	2	50	2	8	3	NPN×3	Fig. 12
3L20	200	200															
3J10	−100	−100	−7	±3	−0.3					−1.5	−2					PNP×3	
3L10Z※	60±10	60±10	7	∓3	0.3					1.5	2					NPN×3	
5L10	100	100	7	5	0.5					1.5	2		2	8	5	NPN×3	
5L20	200	200															

※：CB間にツェナーダイオード入り。 With zener diode between collector and base.

外形図 Outline Dimensions

[Unit : mm]

Fig. 7

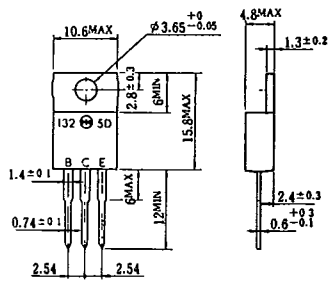

Fig. 8

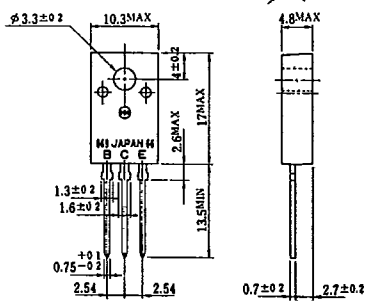
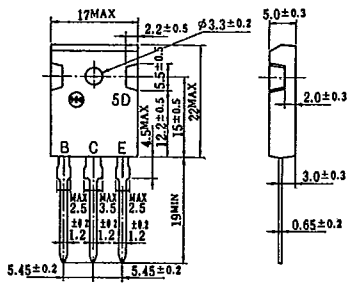
Fig. 9