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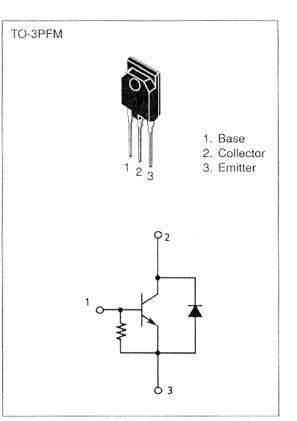
Silicon NPN Triple Diffused Character Display Horizontal Deflection Output

Feature

- High breakdown voltage
 V_{CES} = 1500 V
- · Built-in dampen diode type
- Isolated package; TO-3PFM

Absolute Maximum Ratings (Ta = 25°C)

ltem	Symbol	Rating	Unit
Collector to emitter voltage	V _{CES}	1500	V
Emitter to base voltage	V_{EBO}	6	V
Collector current	I _C	6	A
Collector peak current	i _{C(peak)}	7	А
Collector surge current	i _{C(surge)}	16	A
Collector power dissipation	P _C ^{•1}	50	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	–55 to +150	°C
C to E diode forward current	ID	7	A



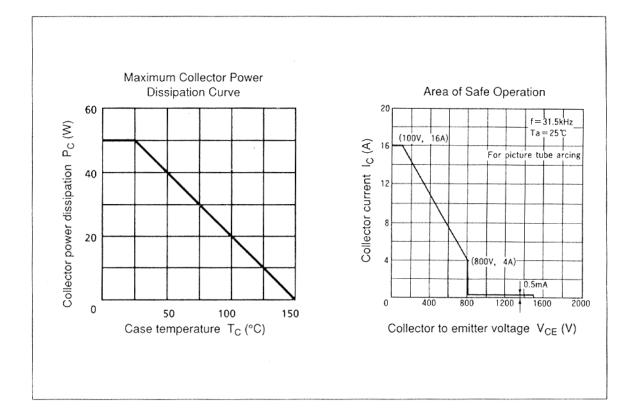
Note: 1. Value at $T_C = 25^{\circ}C$.

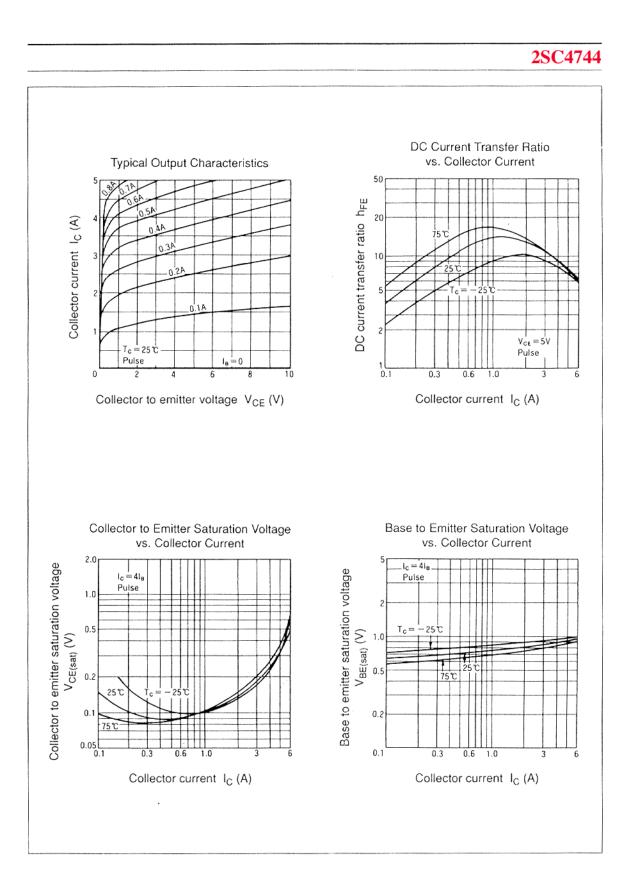
Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Тур	Max	Unit	Test condition
Emitter to base breakdown voltage	V _{(BR)EBO}	6			V	I _E = 400 mA, I _C = 0
Collector cutoff current	ICES		unitation	500	μA	$V_{CE} = 1500 \text{ V}, \text{ R}_{BE} = 0$
DC current transfer ratio	h _{FE}			25		$V_{CE} = 5 V, I_{C} = 1 A$
Collector to emitter saturation voltage	V _{CE(sat)}		and the second se	2.0	V	I _C = 5 A, I _B = 1.25 A
Base to emitter saturation voltage	V _{BE(sat)}			1.5	V	I _C = 5 A, I _B = 1.25 A
C to E diode forward voltage	V _{ECF}		,	2.0	V	$I_F = 6 A$

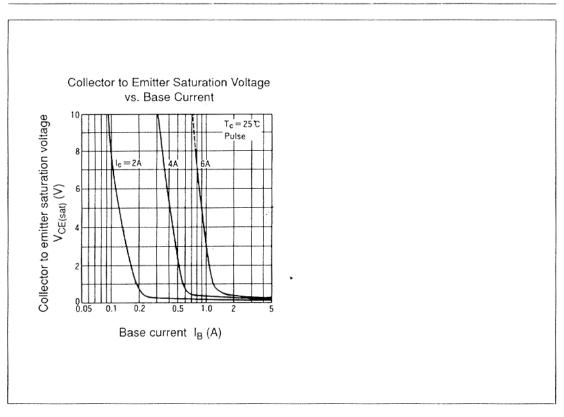
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Electrical Characteristics (Ta = 25° C) (cont)						
Item	Symbol	Min	Тур	Max	Unit	Test condition
Fall time	t _f			0.4	μs	I _{CP} = 5 A, I _{B1} = 1 A I _{B2} =2 A





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