2SD2444K

Transistors

Power Transistor (15V, 1A)

2SD2444K

Features

- 1) Low saturation voltage, V_{CE(sat)} =0.3V (Max.) at $I_C / I_B = 0.4A / 20mA$.
- 2) $I_{C} = 1A$
- 3) Complements the 2SB1590K.

Packaging specification and h_{FE}

Туре	2SD2444K		
Package	SMT3		
hfe	R		
Marking	BS*		
Code	T146		
Basic ordering unit (pieces)	3000		
* Departure h			

Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	15	V	
Collector-emitter voltage	Vceo	15	V	
Emitter-base voltage	Vebo	6	V	
Collector current	lc	1	A (DC)	
Collector power dissipation	Pc	0.2	W	
Junction temperature	Tj B	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

•Electrical characteristics (Ta=25°C)

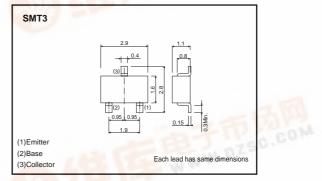
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	15	-	-	V	Ic=50μA
Collector-emitter breakdown voltage	BVceo	15	-		V	Ic=1mA
Emitter-base breakdown voltage	ВУево	6	-		V	Ιε=50μΑ
Collector cutoff current	Ісво	0.0.	-	0.5	μΑ	Vcb=12V
Emitter cutoff current	Іево	-	-	0.5	μΑ	Veb=5V
Collector-emitter saturation voltage	VCE(sat)	_	-	0.3	V	Ic=400mA, Iв=20mA
DC current transfer ratio	hfe	180	-	390	-	Vce/Ic=2V/50mA
Transition frequency	fт	_	200	_	MHz	Vce=2V, Ie= -50mA, f=100MHz
Output capacitance	Cob	_	15	_	pF	Vсв=10V, Ie=0A, f=1MHz





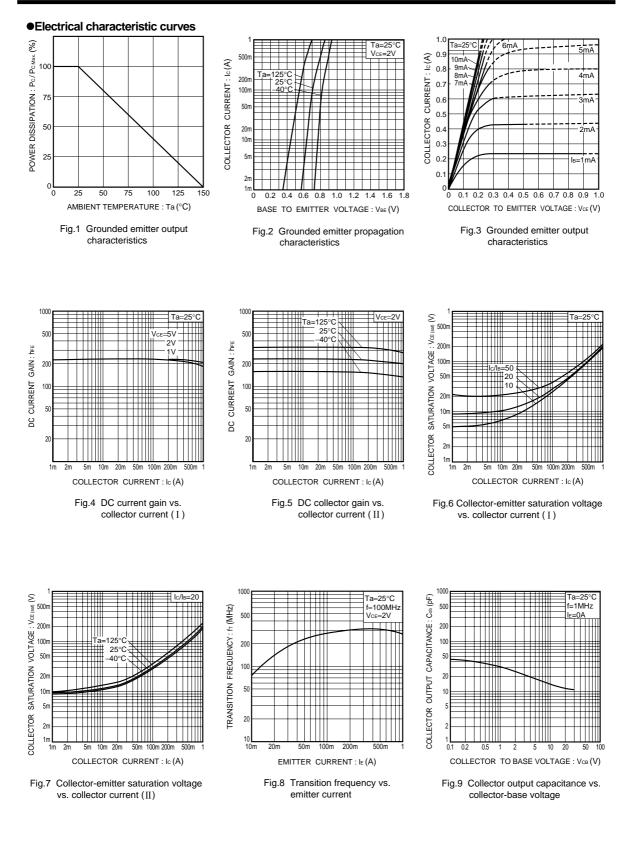
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Transistors



Appendix

Notes

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