查询2SD2528供应商 Power Transistors

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2SD2528

Silicon NPN epitaxial planar type

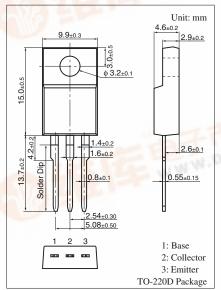
For power amplification with high forward current transfer ratio SC.COM

Features

- High forward current transfer ratio h_{FE}
- Satisfactory linearity of forward current transfer ratio h_{FE}
- Full-pack package which can be installed to the heat sink with one screw

Absolute Maximum Hatings $T_{\rm C} = 25$ C							
Parameter		Symbol	Rating	Unit			
Collector to base voltage		V _{CBO}	80	V			
Collector to emitter voltage		V _{CEO}	60	V			
Emitter to base voltage		V _{EBO}	6	V			
Peak collector current		I _{CP}	10	А			
Collector current		I _C	5	А			
Base current		IB	1	А			
Collector power	$T_C = 25^{\circ}C$	P _C	40	W			
dissipation	$T_a = 25^{\circ}C$		2.0				
Junction temperature		Tj	150	°C			
Storage temperature		T _{stg}	-55 to +150	°C			

Absolute Maximum Batings $T_c = 25^{\circ}C$



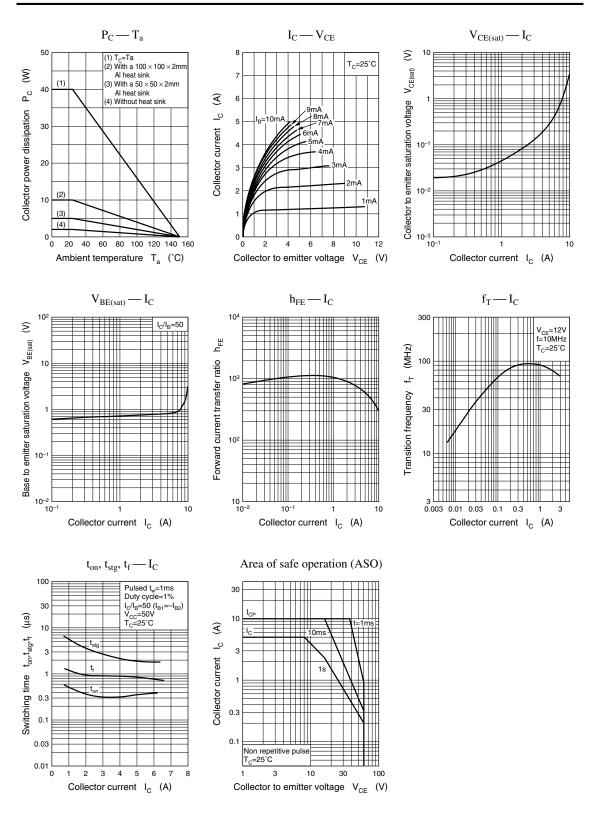
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 80 \text{ V}, I_E = 0$			100	μΑ
Emitter cutoff current	I _{EBO}	$V_{EB} = 6 V, I_C = 0$			100	μA
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 25 \text{ mA}, I_{\rm B} = 0$	60		- 05	V
Forward current transfer ratio *	h _{FE}	$V_{CE} = 4 V, I_C = 1 A$	500	Tre	2 000	Ge V
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = 4 \text{ A}, I_{\rm B} = 0.1 \text{ A}$			0.3	V
Transition frequency	f_T	$V_{CE} = 12 \text{ V}, \text{ I}_{C} = 0.4 \text{ A}, \text{ f} = 10 \text{ MHz}$		30		MHz
Turn-on time	t _{on}	$I_{C} = 4 A, I_{B1} = 0.08 A, I_{B2} = -0.08 A,$		0.4		μs
Storage time	t _{stg}	$V_{CC} = 50 V$		2.0		μs
Fall time	tf	.02		0.6		μs

Note) *: Rank classification

Rank	Р	Q		
h _{FE}	800 to 2 000	500 to 1 200		



Power Transistors



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