

ISC Silicon NPN Power Transistor

2SC4385

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 80V(Min)
- · Good Linearity of hFE
- Complement to Type 2SA1670
- 100% avalanche tested
- · Minimum Lot-to-Lot variations for robust device performance and reliable operation

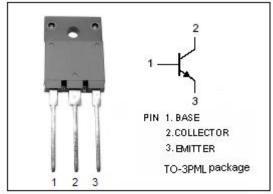


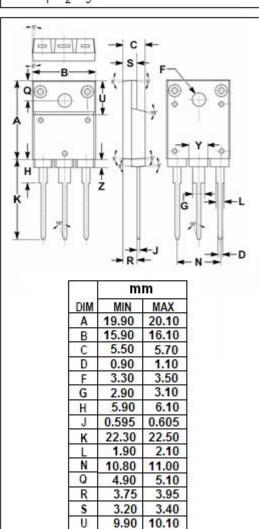
APPLICATIONS

· Designed for audio and general purpose applications



SYMBOL	PARAMETER	VALUE	UNIT
V _{СВО}	Collector-Base Voltage	120	V
Vceo	Collector-Emitter Voltage	80	V
V_{EBO}	Emitter-Base Voltage	6	V
lc	Collector Current-Continuous	6	Α
lв	Base Current-Continuous	3	А
Pc	Collector Power Dissipation @ T _C =25℃	60	W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$





4.70

1.90

4.90



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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

10-20 C unicos otherwise specified									
SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT			
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 50mA; I _B = 0	80			V			
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 2A; I _B = 0.2A			1.5	V			
I _{CBO}	Collector Cutoff Current	V _{CB} = 120V; I _E = 0			10	μА			
I _{EBO}	Emitter Cutoff Current	V _{EB} = 6V; I _C = 0			10	μА			
h _{FE}	DC Current Gain	I _C = 2A; V _{CE} = 4V	50						
f⊤	Current-Gain—Bandwidth Product	I _E = -0.5A; V _{CE} = 12V		20		MHz			
Switching times									
ton	Turn-on Time			0.5		μ S			
t _{stg}	Storage Time	I_C = 3A, R _L = 10 Ω , I_{B1} = - I_{B2} = 0.3A, V _{CC} = 30V		2.5		μ S			
tf	Fall Time			0.6		μ \$			

NOTICE:

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