



isc Silicon PNP Power Transistor

DESCRIPTION

- Collector-Emitter Breakdown Voltage-:V_{(BR)CEO}= -60(V)(Min.)
- Complement to Type 2SC1985
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

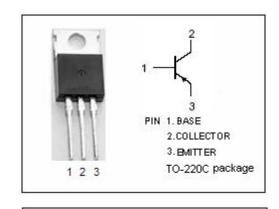


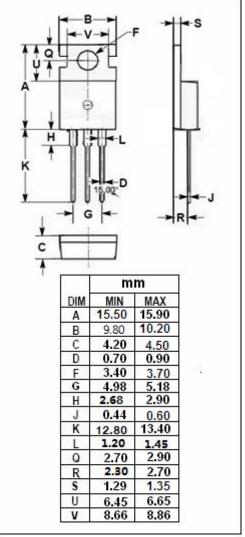
APPLICATIONS

· Designed for audio and general purpose applications.



SYMBOL	PARAMETER	VALUE	UNIT
V _{СВО}	Collector-Base Voltage	-60	V
V _{CEO}	Collector-Emitter Voltage	-60	V
V _{EBO}	Emitter-Base Voltage	-6	V
lc	Collector Current-Continuous	-6	Α
l _Β	Base Collector Current-Continuous	-3	Α
Pc	Total Power Dissipation @ T _C =25℃	40	W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$







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2SA770

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT			
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage	I _C = -25mA; I _B = 0	-60			V			
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -3A; I _B = -0.3A			-1.0	V			
Ісво	Collector Cutoff Current	V _{CB} = -60V; I _E = 0			-1.0	mA			
I _{EBO}	Emitter Cutoff Current	V _{EB} = -6V; I _C = 0			-1.0	mA			
h _{FE}	DC Current Gain	I _C = -1A; V _{CE} = -4V	40						
f _T	Current-Gain—Bandwidth Product	I _E = 0.5A; V _{CE} = -12V		10		MHz			
Switching Times									
tr	Rise Time			0.9		μ \$			
t _{stg}	Storage Time	I_{C} = -3A , R_{L} = 3 Ω , I_{B1} = - I_{B2} = -0.4A, V_{CC} = -9V		1.0		μ S			
t _f	Fall Time			0.1		μ \$			

NOTICE:

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