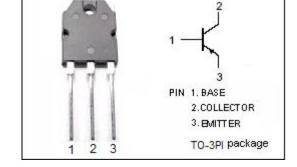


isc Silicon PNP Power Transistor

2SA1516

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -180V(Min)
- · Good Linearity of hFE
- Complement to Type 2SC3907
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



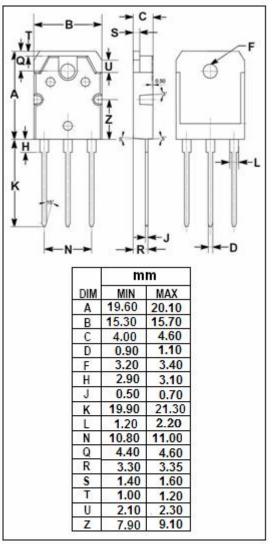


APPLICATIONS

- · Power amplifier applications
- Recommend for 80W high fidelity audio frequency amplifier output stage applications



SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	-180	V	
V _{CEO}	Collector-Emitter Voltage	-180	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
Ic	Collector Current-Continuous	-12	Α	
I _B	Base Current-Continuous	-1.2	Α	
Pc	Collector Power Dissipation @ T _C =25℃	130	W	
TJ	Junction Temperature 150		°C	
T _{stg}	Storage Temperature Range -55~15		$^{\circ}\mathbb{C}$	





isc Silicon PNP Power Transistor

2SA1516

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -50mA ; I _B = 0	-180			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -8A; I _B = -0.8A			-3.0	V
V _{BE(on)}	Base-Emitter On Voltage	Ic= -7A; Vc== -5V			-1.5	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -180V ; I _E = 0			-5	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-5	μА
h _{FE-1}	DC Current Gain	I _C = -1A; V _{CE} = -5V	55		180	
h _{FE-2}	DC Current Gain	I _C = -7A; V _{CE} = -5V	35			
Сов	Output Capacitance	I _E =0 ; V _{CB} = -10V;f _{test} = 1.0MHz		470		pF
f⊤	Current-Gain—Bandwidth Product	I _C =-1A ; V _{CE} = -5V		25		MHz

♦ h_{FE-1} Classifications

R	0		
55-110	90-180		

Notice:

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