

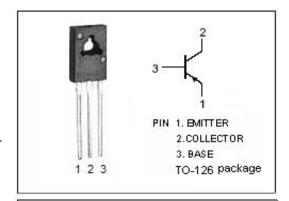
isc Silicon PNP Power Transistor

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -160V(Min)
- Good Linearity of hFE
- · High Switching Speed
- Complement to Type 2SC2911
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

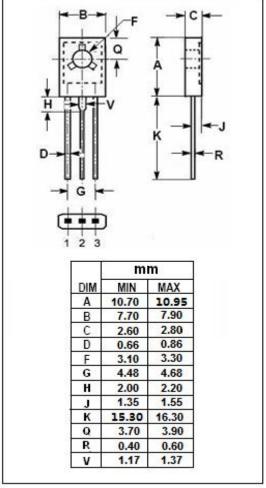
APPLICATIONS

 Designed for high-voltage switching and AF 100W predriver applications.



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	-180	V	
V _{CEO}	Collector-Emitter Voltage	-160	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
Ic	Collector Current-Continuous	-140	40 mA	
I _{CP}	Collector Current-Pulse	-200	mA	
Pc	Collector Power Dissipation @ T _C =25℃	-10	W	
	Collector Power Dissipation @ T _a =25℃	-1	VV	
TJ	Junction Temperature	emperature 150		
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$ C	





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2SA1209

ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

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SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT	
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -50mA; I _B = -5mA			-0.3	V	
I _{CBO}	Collector Cutoff Current	V _{CB} = -80V; I _E = 0			-0.1	μ А	
I _{EBO}	Emitter Cutoff Current	V _{EB} = -4V; I _C = 0			-0.1	μА	
h _{FE}	DC Current Gain	I _C = -10mA; V _{CE} = -5V	100		400		
fτ	Current-Gain—Bandwidth Product	I _C = -10mA; V _{CE} = -10V		150		MHz	
Сов	Collector Output Capacitance	I _E = 0; V _{CB} = -10V; f= -1MHz		3		pF	

h_{FE} Classifications

R	S	T C
100-200	140-280	200-400

NOTICE:

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