

isc Silicon PNP Power Transistor

2SB713

DESCRIPTION

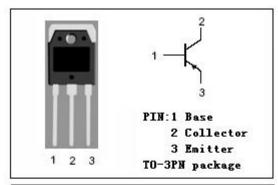
- · Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -140V(Min)
- Good Linearity of h_{FE}
- · High Power Dissipation
- Complement to Type 2SD751
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

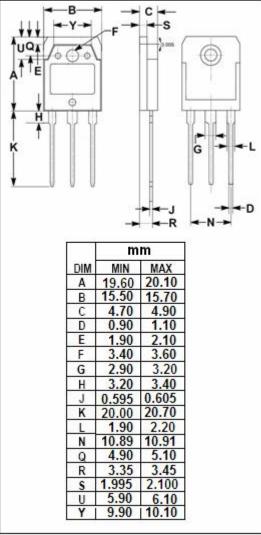


• Designed for high power audio frequency amplifier use.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{СВО}	Collector-Base Voltage	-200	V
V _{CEO}	Collector-Emitter Voltage	-140	V
V _{EBO}	Emitter-Base Voltage	-5	V
Ic	Collector Current-Continuous	-9	Α
I _{CP}	Collector Current-Pulse	-15	Α
Pc	Collector Power Dissipation @ T_c =25 $^{\circ}$ C	100	W
TJ	Junction Temperature	150	$^{\circ}$ C
T _{stg}	Storage Temperature Range	-55~150	°C







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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

TC-20 C differs of the wise specified							
SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -5.0A; I _B = -0.7A			-2.0	V	
V _{BE} (on)	Base -Emitter On Voltage	I _C = -7A; V _{CE} = -5V			-1.8	V	
Ісво	Collector Cutoff Current	V _{CB} = -140V; I _E =0			-50	μА	
I _{EBO}	Emitter Cutoff Current	V _{EB} = -3V; I _C =0			-50	μА	
h _{FE-1}	DC Current Gain	Ic= -20mA; V _{CE} = -5V	20				
h _{FE-2}	DC Current Gain	I _C = -1A; V _{CE} = -5V	40		200		
h _{FE-3}	DC Current Gain	I _C = -5A; V _{CE} = -5V	15				
f⊤	Current-Gain—Bandwidth Product	Ic= -0.5A; V _{CE} = -5V		20		MHz	

♦ h_{FE-2} Classifications

R	Q	Р
40-80	60-120	100-200

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