

isc Silicon NPN Power Transistor

2SD1135

DESCRIPTION

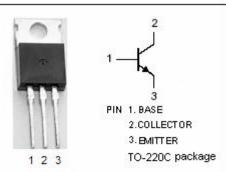
- Collector Current: I_C= 4A
- Low Collector Saturation Voltage
 : V_{CE(sat)}= 2.0V(Max)@I_C= 2A
- High Collector Power Dissipation
- · Complement to Type 2SB859
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

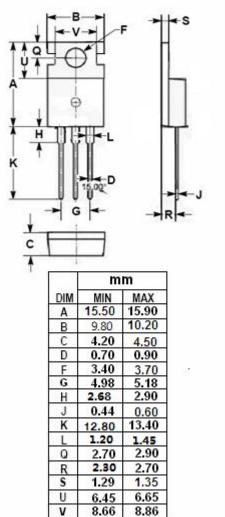
APPLICATIONS

• Designed for low frequency power amplifier applications.











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ELECTRICAL CHARACTERISTICS

$T_{\text{C}}\text{=}25^{\circ}\!\!\!^{\circ}\!\!^{\circ}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I_{C} = 10mA; R_{BE} = ∞	80			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 10 μ A; I _C = 0	5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 2A; I _B = 0.2A			2.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 1A; V _{CE} = 5V			1.5	V
Ісво	Collector Cutoff Current	V _{CB} = 80V; I _E = 0			100	μA
h _{FE-1}	DC Current Gain	I _C = 1A; V _{CE} = 5V	60		200	
h _{FE-2}	DC Current Gain	Ic= 0.1A; Vce= 5V	35			
Сов	Collector Output Capacitance	I _E = 0; V _{CB} = 20V; f= 1MHz		40		pF
f _T	Current-Gain—Bandwidth Product	I _C = 0.5A; V _{CE} = 5V		10		MHz

h_{FE-1} Classifications

В	С	
60-120	100-200	

NOTICE:

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