

isc Silicon NPN Power Transistors

2SD675

DESCRIPTION

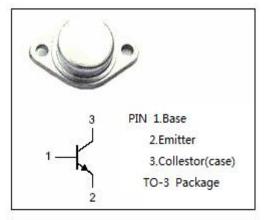
- Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= 160V(Min)
- High Power Dissipation-
- : P_C= 100W(Max)@T_C=25℃
- Complement to Type 2SB655
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

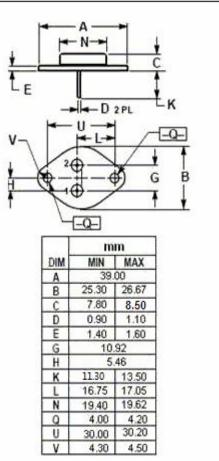
APPLICATIONS

• Designed for low frequency power amplifier applications.

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	160	V	
Vceo	Collector-Emitter Voltage	160	V	
V _{EBO}	Emitter-Base Voltage	5	V	
lc	Collector Current-Continuous	12	A	
I _{CM}	Collector Current-Peak	20	А	
Pc	Collector Power Dissipation @Tc=25°C	100	W	
TJ	Junction Temperature	150	°C	
Tstg	Storage Temperature	-55~150	°C	

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)







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ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 10mA; R _{BE} = ∞	160			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 1mA; I _C = 0	5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 6A; I _B = 0.6A			2.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 1A; V _{CE} = 5V			1.5	V
Ісво	Collector Cutoff Current	V _{CB} = 140V; I _E = 0			1	mA
h _{FE-1}	DC Current Gain	I _C = 1A; V _{CE} = 5V	60		200	
h _{FE-2}	DC Current Gain	I _C = 6A; V _{CE} = 5V	20			

h_{FE-1} Classifications

B C 60-120 100-200

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