

isc Silicon NPN Power Transistor

2SC2486

DESCRIPTION

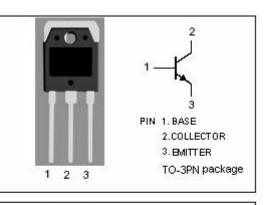
- Collector-Emitter Breakdown Voltage-: V_{(BR)CEO}= 120V(Min)
- High Power Dissipation
- Complement to Type 2SA1062
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

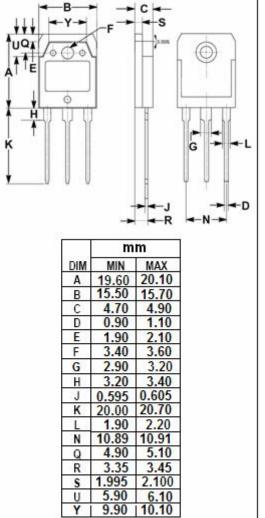
APPLICATIONS

 Designed for high power audio frequency amplifier applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)					
SYMBOL	PARAMETER	VALUE	UNIT		
V _{CBO}	Collector-Base Voltage	120	V		
V _{CEO}	Collector-Emitter Voltage	120	V		
V _{EBO}	Emitter-Base Voltage	5	V		
lc	Collector Current-Continuous	7	A		
Ісм	Collector Current-Peak	12	A		
Pc	Collector Power Dissipation @ Tc=25℃	80	W		
TJ	Junction Temperature	150	°C		
T _{stg}	Storage Temperature Range	-55~150	°C		

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)







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ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 30mA; I _B = 0	120			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 5A; I _B = 0.5A			2.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 5A; V _{CE} = 5V			1.8	V
І _{сво}	Collector Cutoff Current	V _{CB} = 120V; I _E = 0			50	μA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 3V; I _C = 0			50	μA
h _{FE-1}	DC Current Gain	I _C = 0.2A; 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	20			
fT	Current-Gain—Bandwidth Product	I _C = 0.5A; V _{CE} = 5V		20		MHz

h_{FE-2} Classifications

R	Q	Р
40-80	60-120	100-200

Notice:

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