

isc Silicon PNP Power Transistor

2SA1305

DESCRIPTION

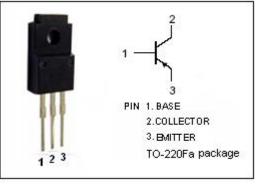
- Collector-Emitter Breakdown Voltage-
 - : V_{(BR)CEO}= -30V(Min)
- Good Linearity of h_{FE}
- Complement to Type 2SC3297
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

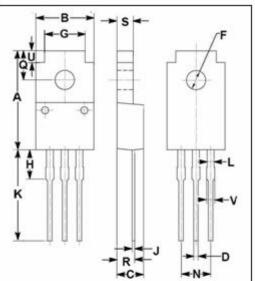
APPLICATIONS

- Power amplifier applications.
- Car radio and car stereo output stage applications.

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	-30	V	
Vceo	Collector-Emitter Voltage	-30	V	
V _{EBO}	Emitter-Base Voltage	-5	V	
lc	Collector Current-Continuous	-3	A	
Ів	Base Current-Continuous	-0.3	A	
Pc	Collector Power Dissipation @Tc=25°C	15	W	
TJ	Junction Temperature		°C	
T _{stg}	Storage Temperature	-55~150	°C	

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)





	mm	
DIM	MIN	MAX
A	16.85	17.15
В	9.54	10.10
C	4.35	4.65
D	0.75	0.90
F	3.20	3.40
G	6.90	7.20
H	3.80	4.20
J	0.45	0.75
K	13.35	13.80
L	1.10	1.30
N	4.98	5.18
Q	4.85	5.15
R	2.55	3.25
S	2.70	2.90
U	1.75	2.05
V	1.30	1.50

isc website: <u>www.iscsemi.com</u>

isc & iscsemi is registered trademark

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ELECTRICAL CHARACTERISTICS

Tj=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA; I _B = 0	-30			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -2A; I _B = -0.2A			-0.8	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -0.5A; V _{CE} = -2V			-1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -20V; I _E = 0			-1.0	μA
Іево	Emitter Cutoff Current	V _{EB} = -5V; I _C = 0			-1.0	μA
h _{FE-1}	DC Current Gain	I _C = -0.5A; V _{CE} = -2V	70		240	
hfe-2	DC Current Gain	Ic= -2.5A; VcE= -2V	25			

h_{FE-1} Classifications

0	Y
70-140	120-240

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