

isc Silicon PNP Power Transistor
2SB1530
DESCRIPTION

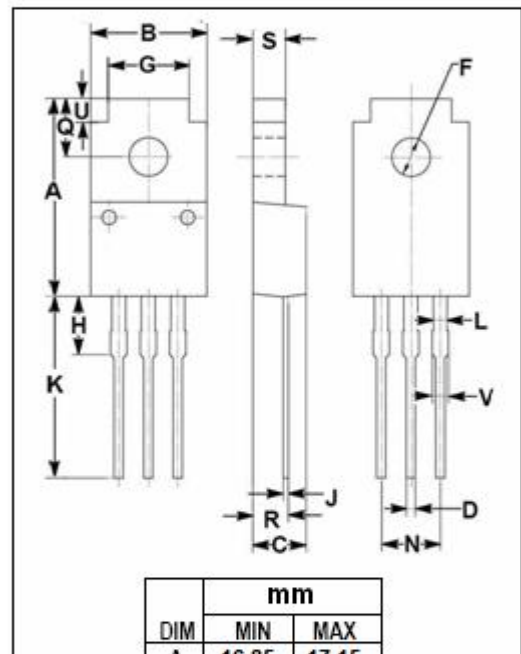
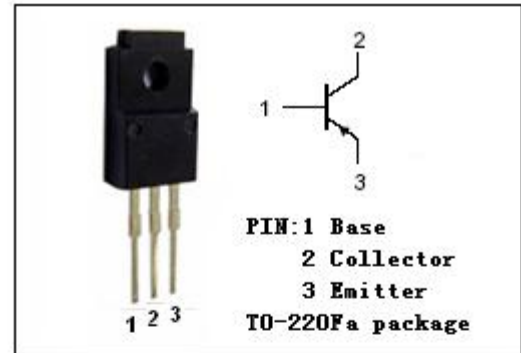
- Collector-Emitter Breakdown Voltage-
: $V_{(BR)CEO} = -150V$ (Min.)
- Complement to Type 2SD2337
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Designed for low frequency power amplifier color TV vertical deflection output applications.

ABSOLUTE MAXIMUM RATINGS($T_a=25^\circ C$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-200	V
V_{CEO}	Collector-Emitter Voltage	-150	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-2	A
I_{CM}	Collector Current-Peak	-5	A
P_C	Collector Power Dissipation	1.5	W
	Collector Power Dissipation @ $T_C=25^\circ C$	20	
T_J	Junction Temperature	150	$^\circ C$
T_{stg}	Storage Temperature Range	-45~150	$^\circ C$



DIM	mm	
	MIN	MAX
A	16.85	17.15
B	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 Silicon PNP Power Transistor**2SB1530****ELECTRICAL CHARACTERISTICS**T_C=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA; R _{BE} = ∞	-150			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -5mA; I _C = 0	-6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -0.5A; I _B = -50mA			-3.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -50mA; V _{CE} = -4V			-1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -120V; I _E = 0			-1	μ A
h _{FE-1}	DC Current Gain	I _C = -50mA; V _{CE} = -4V	60		200	
h _{FE-2}	DC Current Gain	I _C = -0.5A; V _{CE} = -10V	60			

Notes:◆ h_{FE-1} Classifications

B	C
60-120	100-200

◆ h_{FE-1} Pulse test**Notice:**

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