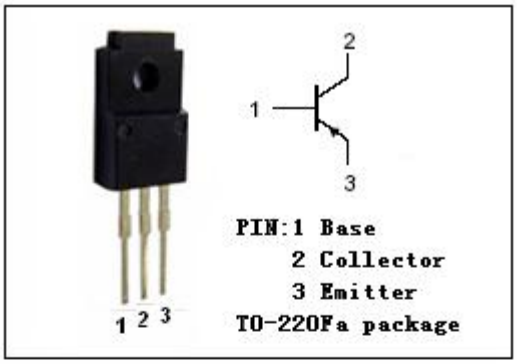
isc Silicon PNP Power Transistor — 2SB1530

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

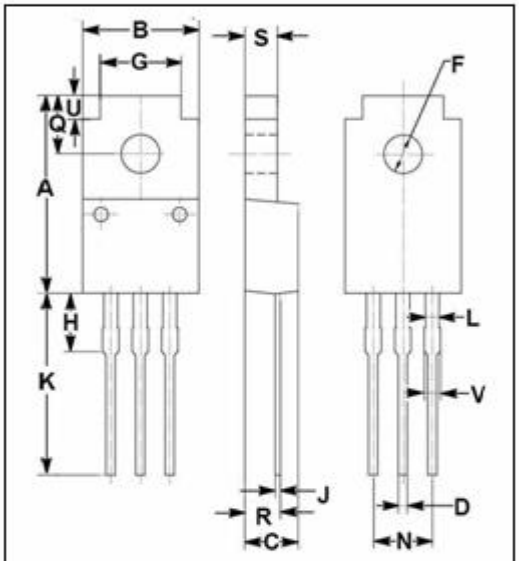


APPLICATIONS

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

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

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℃	20	
T_J	Junction Temperature	150	℃
T_{stg}	Storage Temperature Range	-45~150	℃



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

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ELECTRICAL CHARACTERISTICS

T_C=25℃ 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	μA
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