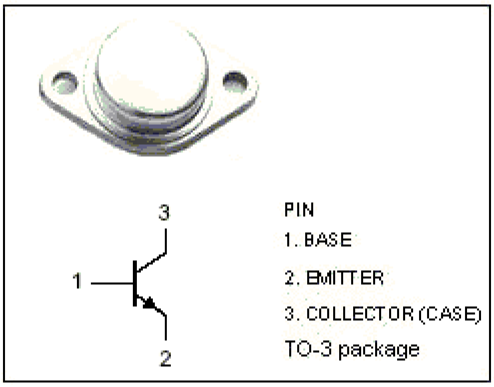


DESCRIPTION

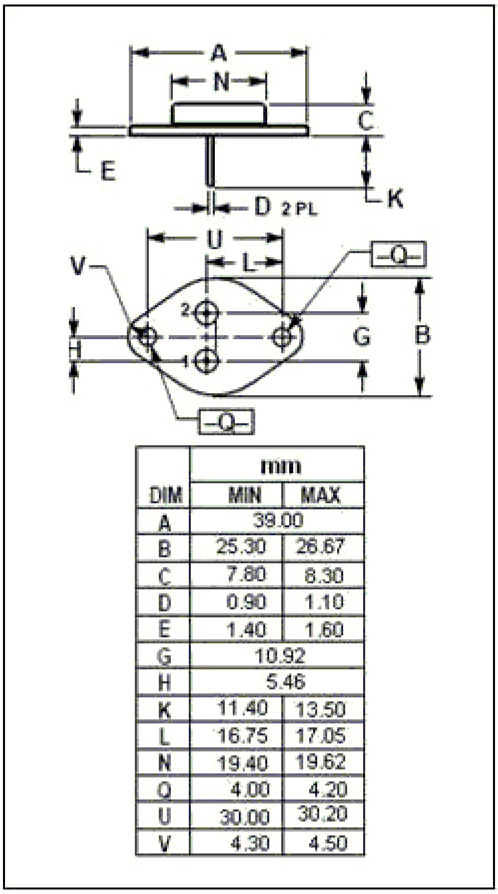
- ·High Collector-base breakdown voltage:1500V
- ·Low saturation voltage@5A
- ·Large area of safe operation

APPLICATIONS

- ·Designed for the horizontal output stage in power-transformer-less television receivers.

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	1500	V
V_{CEO}	Collector-Emitter Voltage	500	V
V_{EBO}	Emitter-Base Voltage	6	V
I_C	Collector Current-Continuous	5	A
P_C	Collector Power Dissipation @ T_C=25℃	50	W
	Collector Power Dissipation @ T_a=25℃	20	
T_J	Junction Temperature	230	℃
T_{stg}	Storage Temperature Range	-45~150	℃



DIM	mm	
	MIN	MAX
A	39.00	
B	25.30	26.67
C	7.80	8.30
D	0.90	1.10
E	1.40	1.60
G	10.92	
H	5.46	
K	11.40	13.50
L	16.75	17.05
N	19.40	19.62
Q	4.00	4.20
U	30.00	30.20
V	4.30	4.50

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage	I_C= 10mA ; I_E= 0	500			V
$V_{(BR)EBO}$	Emitter-Base Breakdown Vltage	I_E= 10mA ; I_C= 0	6			V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	I_C= 5A; I_B= 1.2A			10	V
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	I_C= 5A ; I_B= 1.2A			2	V
I_{CBX}	Collector Cutoff Current	V_{CB}= 1500V; V_{EB}= 1.5V			1	mA