

BLV31

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

BLV31 is Designed for use in VHF amplifiers

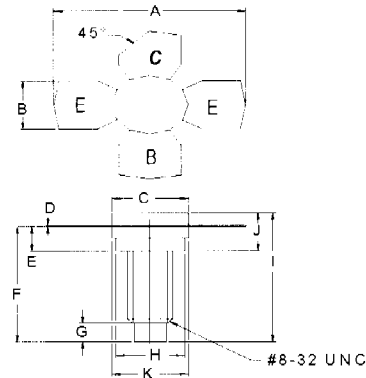
FEATURES:

- $P_G = 16.5$ dB Typical at 224 MHz
- **Omnigold™** Metallization System

MAXIMUM RATINGS

I_C	3A
V_{CB}	60 V
P_{DISS}	48 W @ $T_C = 25^\circ C$
T_J	$-65^\circ C$ to $+200^\circ C$
T_{STG}	$-65^\circ C$ to $+150^\circ C$
θ_{JC}	$3.5^\circ C/W$

PACKAGE STYLE .280 4L STUD

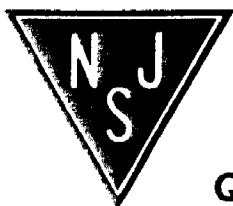


DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	1.010 / 25.65	1.055 / 26.80
B	.220 / 5.59	.230 / 5.84
C	.270 / 6.86	.285 / 7.24
D	.003 / 0.08	.007 / 0.18
E	.117 / 2.97	.137 / 3.48
F		.572 / 14.53
G		.130 / 3.30
H	.245 / 6.22	.255 / 6.48
I		.640 / 16.26
J	.175 / 4.45	.217 / 5.51
K	.275 / 6.99	.285 / 7.24

CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 100$ mA	30			V
BV_{CES}	$I_C = 25$ mA $V_{BE} = 0$ V	60			V
BV_{EBO}	$I_E = 10$ mA	4			V
h_{FE}	$V_{CE} = 25$ V $I_C = 800$ mA	15	75	120	---
C_{OB}	$V_{CB} = 25$ V $f = 1.0$ MHz		35		pF
P_{OUT}	$V_{CE} = 25$ V $I_C = 800$ mA $P_{IN} = 2.5$ W	5.0	7.0*		W
P_G	$F = 224$ MHz $T = 70^\circ C$	15	16.5*		dB

* @ $25^\circ C$



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