New Jersey Semi-Conductor Products, Inc.

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BLV30

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NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

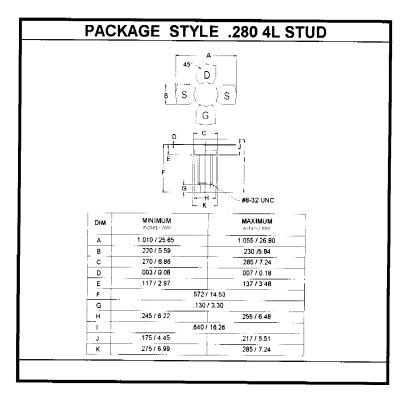
BLV30 is Designed for Television Band IV & V Applications up to 860 MHz.

FEATURES:

- Common Emitter
- P_G = 10 dB at 2.0 W/860 MHz
- Omnigold™ Metalization System

MAXIMUM RATINGS

lc	1.5 A
V_{CBO}	60 V
V_{CEO}	30 V
V_{EBO}	4.0 V
P _{DISS}	15.9 W @ T_c = 25 $^{\circ}C$
TJ	-65 $^{\circ}$ C to +200 $^{\circ}$ C
T _{stg}	-65 $^{\circ}$ C to +150 $^{\circ}$ C
θ _{JC}	10 ⁰ C/W



CHARACTERISTICS Tc = 25 °C

SYMBOL		TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
BV _{CBO}	I _C = 10 mA			60			v
BV _{CEO}	I _C = 50 mA			30			v
BVEBO	I _E = 4.0 mA			4.0			V
I _{CBO}	V _{CB} = 30 V					4.0	mA
h _{FE}	V _{CE} = 25 V	l _c = 500 mA		15		120	
Сов	V _{CB} = 28 V		f = 1.0 MHz			10	pF
PG	V _{CE} = 25 V	l _c = 410 mA	f = 860 MHz	10			dB
IMD₁	P _{OUT} = 2.0 W			-60			dBc



NJ Semi-Conductors reserves the right to change test conditions, parameters limits and package dimensions without notice information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors

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