

## BLV30

# NPN SILICON RF POWER TRANSISTOR

### DESCRIPTION:

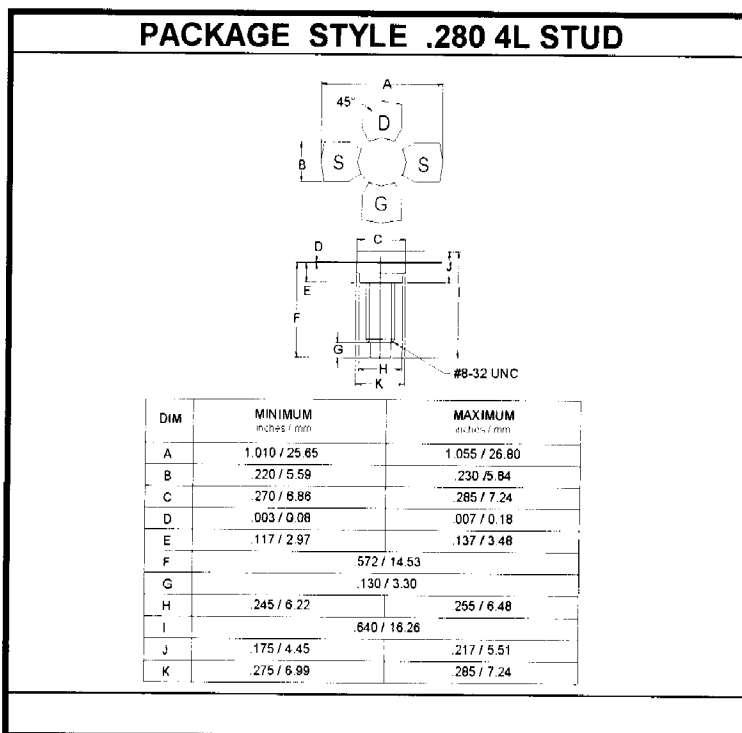
**BLV30** is Designed for Television Band IV & V Applications up to 860 MHz.

### FEATURES:

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

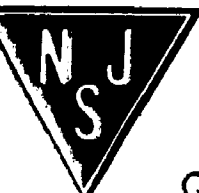
### MAXIMUM RATINGS

$I_C$	1.5 A
$V_{CB0}$	60 V
$V_{CEO}$	30 V
$V_{EBO}$	4.0 V
$P_{DISS}$	15.9 W @ $T_C = 25^\circ C$
$T_J$	$-65^\circ C$ to $+200^\circ C$
$T_{STG}$	$-65^\circ C$ to $+150^\circ C$
$\theta_{JC}$	$10^\circ C/W$



### CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$BV_{CB0}$	$I_C = 10$ mA	60			V
$BV_{CEO}$	$I_C = 50$ mA	30			V
$BV_{EBO}$	$I_E = 4.0$ mA	4.0			V
$I_{CB0}$	$V_{CB} = 30$ V			4.0	mA
$h_{FE}$	$V_{CE} = 25$ V $I_C = 500$ mA	15		120	---
$C_{OB}$	$V_{CB} = 28$ V $f = 1.0$ MHz			10	pF
$P_G$ $IMD_1$	$V_{CE} = 25$ V $I_C = 410$ mA $f = 860$ MHz $P_{OUT} = 2.0$ W	10 -60			dB dBc



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