

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

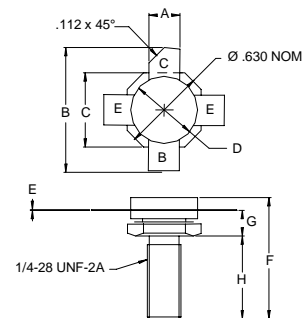
The **ASI BLX14** is Designed for HF and VHF band applications.

FEATURES:

- $P_G = 13$ dB min. at 15 W/1.6 MHz
- $d_3 = -40$ dB typ. at 15 W(PEP)
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	4.0 A
V_{CBO}	85 V
V_{EBO}	4.0 V
V_{CEO}	36 V
P_{DISS}	88 W @ $T_C = 25$ °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +200 °C
θ_{JC}	1.99 °C/W

PACKAGE STYLE .500 4L STUD (A)


DIM	MINIMUM inches / mm	MAXIMUM inches / mm
A	.220 / 5.59	.230 / 5.84
B		1.050 / 26.67
C	.545 / 13.84	.555 / 14.10
D	.495 / 12.57	.505 / 12.83
E	.003 / 0.08	.007 / 0.18
F		.830 / 21.08
G	.185 / 4.70	.198 / 5.03
H	.497 / 12.62	.530 / 13.46

CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 25$ mA			85			V
BV_{CER}	$I_C = 25$ mA	$R_{BE} = 5.0$ Ω		85			V
BV_{CEO}	$I_C = 50$ mA			36			V
BV_{EBO}	$I_E = 10$ mA			4.0			V
h_{FE}	$V_{CE} = 6.0$ V	$I_C = 1.4$ A		15		100	---
f_T	$V_{CE} = 20$ V	$I_C = 3.0$ A			250		MHz
C_C	$V_{CB} = 30$ V		$f = 1.0$ MHz		115	125	pF
G_P d_3	$V_{CE} = 28$ V $f = 1.6$ MHz	$I_{CQ} = 2.0$ A	$P_{OUT} = 15$ W(PEP)	13	-40		dB dB

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