

# NPN SILICON RF POWER TRANSISTOR

**DESCRIPTION:**

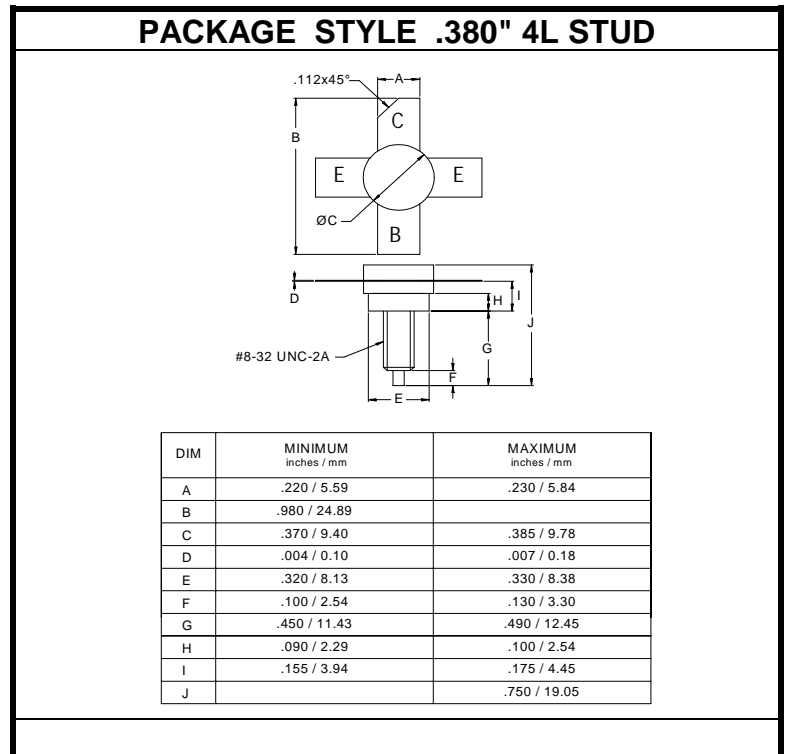
The **ASI BLX13C** is Designed for 28 V, Linear Amplifier, class A and AB in the HF and VHF bands.

**FEATURES:**

- $P_G = 21$  dB Typical at 25 W/ 28 MHz
- **Omnigold™** Metallization System

**MAXIMUM RATINGS**

$I_C$	3.0 A
$V_{CE}$	36 V
$V_{CB}$	65 V
$P_{DISS}$	73 W @ $T_C = 25^\circ C$
$T_J$	$-65^\circ C$ to $+200^\circ C$
$T_{STG}$	$-65^\circ C$ to $+150^\circ C$
$\theta_{JC}$	2.39 $^\circ C/W$


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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$BV_{CES}$	$I_C = 10$ mA	65			V
$BV_{CEO}$	$I_C = 50$ mA	36			V
$BV_{EBO}$	$I_E = 10$ mA	4.0			V
$I_{CES}$	$V_{CB} = 36$ V			4.0	mA
$h_{FE}$	$V_{CE} = 5.0$ V $I_C = 1.25$ A	10		100	---
$C_{ob}$	$V_{CB} = 28$ V $f = 1.0$ MHz		50		pF
$P_G$	$V_{CE} = 28$ V $P_{OUT} = 25$ W $f = 28$ MHz		21		dB
$\eta$			45		%