

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

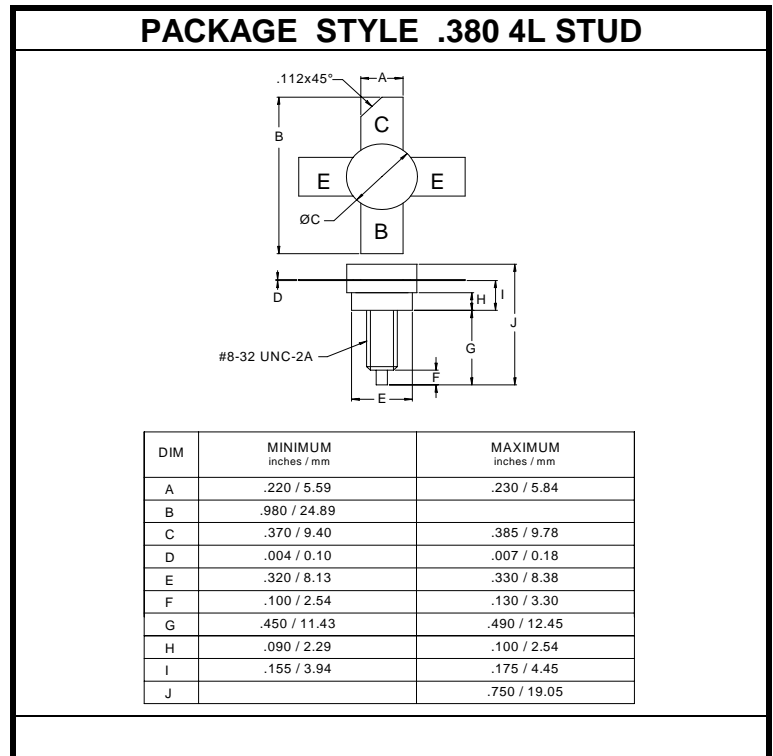
The **ASI BLY89C** is Designed primarily for VHF communications, up to 175 MHz.

FEATURES:

- Common Emitter
- $P_G = 6.0$ dB at 25 W/175 MHz
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	6.0 A
V_{CB0}	36 V
V_{CEO}	18 V
V_{EBO}	4.0 V
P_{DISS}	73 W @ $T_C = 25$ °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	2.4 °C/W


CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 50$ mA	18			V
BV_{CES}	$I_C = 25$ mA	36			V
BV_{EBO}	$I_E = 10$ mA	4.0			V
I_{CES}	$V_{CE} = 18$ V			10	mA
h_{FE}	$V_{CE} = 5.0$ V $I_C = 2.5$ A	10		80	---
C_{OB}	$V_{CB} = 15$ V $f = 1.0$ MHz			130	pF
P_G η_c	$V_{CE} = 12.5$ V $P_{OUT} = 25$ W $f = 175$ MHz	6.0 70			dB %