

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

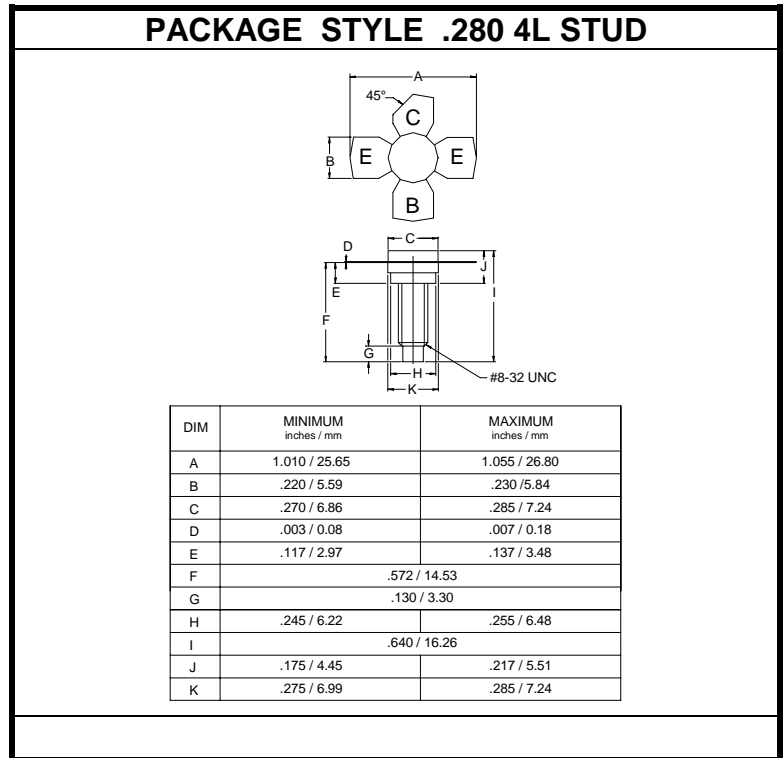
The **ASI BLU97** is Designed for Use in Mobile Applications up to 470 MHz.

FEATURES:

- Common Emitter
- $P_G = 8.5$ dB at 7.0 W/470 MHz
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	1.2 A
V_{CBO}	36 V
V_{CEO}	16 V
V_{EBO}	4.0 V
P_{DISS}	22.5 W @ $T_C = 25$ °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	7.5 °C/W


CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 30$ mA			16			V
BV_{CBO}	$I_C = 15$ mA			36			V
BV_{EBO}	$I_E = 1.5$ mA			3.0			V
I_{CES}	$V_{CE} = 16$ V					7.5	mA
h_{FE}	$V_{CE} = 10$ V	$I_C = 900$ mA		10	100	---	---
C_C	$V_{CB} = 12.5$ V	$f = 1.0$ MHz			10		pF
C_{re}					7.0		
f_T	$V_{CB} = 12.5$ V	$I_C = 900$ mA	$f = 1.0$ MHz		4.0		GHz
P_G	$V_{CC} = 12.5$ V	$P_{OUT} = 7.0$ W	$f = 470$ MHz	8.5			dB
η_c				55			