

NPN RF POWER TRANSISTOR

DESCRIPTION:

The **ASI AM1821-3** is a Common Base Device Designed for Pulsed S-Band Radar Amplifier Applications.

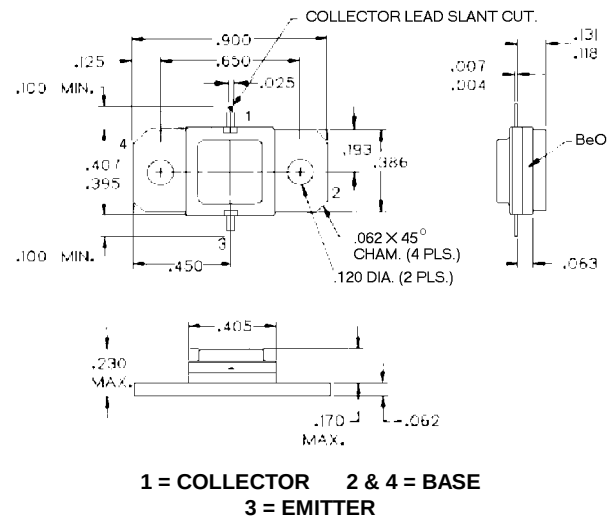
FEATURES INCLUDE:

- Input/Output Matching
- Gold Metallization
- Emitter Ballasting

MAXIMUM RATINGS

I_C	0.9 A
V_{CBO}	50 V
P_{DISS}	11.6 W @ $T_C = 25^\circ\text{C}$
T_J	-55°C to $+200^\circ\text{C}$
T_{STG}	-55°C to $+200^\circ\text{C}$
θ_{JC}	15 $^\circ\text{C/W}$

PACKAGE STYLE 400 2L FLG (E)



CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 2.0\text{ mA}$	50			V
BV_{CER}	$I_C = 2.0\text{ mA}$	50			V
I_{CES}	$V_{CE} = 2.0\text{ mA}$			2.0	mA
BV_{EBO}	$I_E = 1.0\text{ mA}$	3.5			V
h_{FE}	$V_{CE} = 5\text{ V}$ $I_C = 200\text{ mA}$	10			---
P_G	$V_{CC} = 24\text{ V}$ $P_{OUT} = 3.0\text{ W}$ $f = 1800\text{ to }2100\text{ MHz}$	7.8			dB
η_c	Pulse Width = 300 μS Duty Cycle = 10%	50			%