



NPN RF POWER TRANSISTOR

DESCRIPTION:

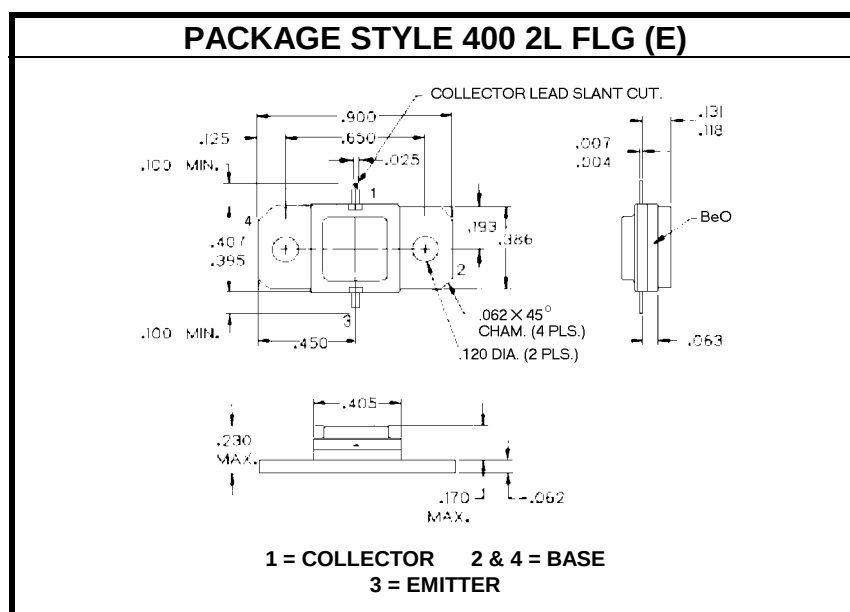
The **ASI MSC74012** is a Common Base Device Designed for CW Applications in the 1.5 - 1.7 GHz bands.

FEATURES INCLUDE:

- Input/Output Matching
- Gold Metallization
- Hermetically Sealed Package
- Emitter Ballasting

MAXIMUM RATINGS

I_C	0.6 A
V_{CBO}	50 V
P_{DISS}	20 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}	9.0°C/W



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_{EBO}	$I_C = 2.0\text{ mA}$	3.0			V
I_{CBO}	$V_{CB} = 28\text{ V}$			0.5	mA
h_{FE}	$V_{CE} = 5\text{ V}$ $I_C = 0.4\text{ A}$	15		150	---
P_G	$V_{CC} = 28\text{ V}$ $P_{IN} = 0.85\text{ W}$ $f = 1.5 - 1.7\text{ GHz}$	8.5			dB
η_c	Pulse Width = $100\text{ }\mu\text{S}$ Duty Cycle = 10%	50	54		%