

NPN RF POWER TRANSISTOR

DESCRIPTION:

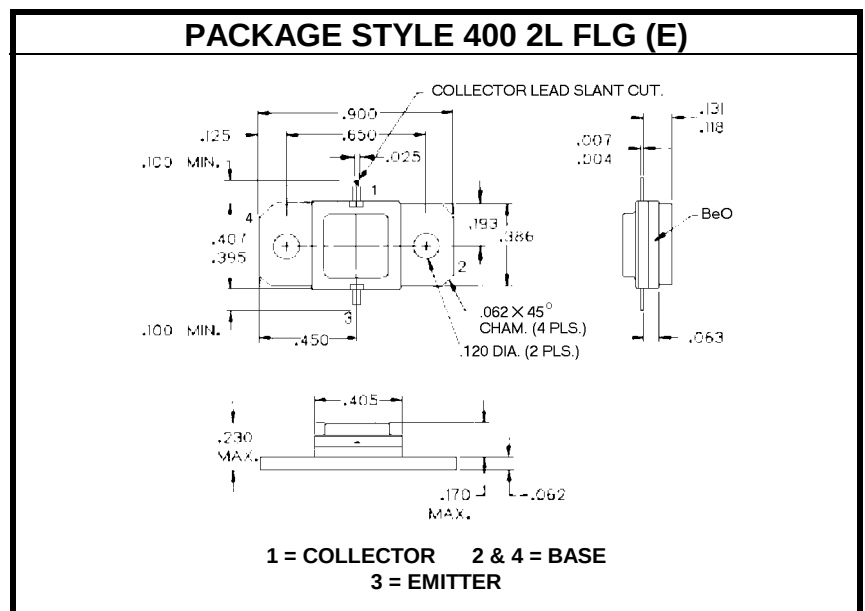
The **ASI MSC74013** is a Common Base Device Designed for Class C Amplifier Applications.

FEATURES INCLUDE:

- Input/Output Matching
- Gold Metallization
- Emitter Ballasting

MAXIMUM RATINGS

I_C	0.9 A
V_{CBO}	45 V
P_{DISS}	20 W @ $T_C = 25^\circ C$
T_J	$-55^\circ C$ to $+200^\circ C$
T_{STG}	$-55^\circ C$ to $+200^\circ C$
θ_{JC}	$9.0^\circ C/W$



CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 2.0$ mA	45			V
BV_{CER}	$I_C = 2.0$ mA	45			V
I_{CES}	$V_{CE} = 20$ V			20	μA
BV_{EBO}	$I_E = 1.0$ mA	3.5			V
h_{FE}	$V_{CE} = 5$ V $I_C = 200$ mA	10			---
P_G η_C	$V_{CC} = 24$ V $P_{OUT} = 9.0$ W $f = 1600$ to 1800 MHz Pulse Width = $100 \mu S$ Duty Cycle = 10%	9.5	45		dB %