

NPN RF POWER TRANSISTOR

DESCRIPTION:

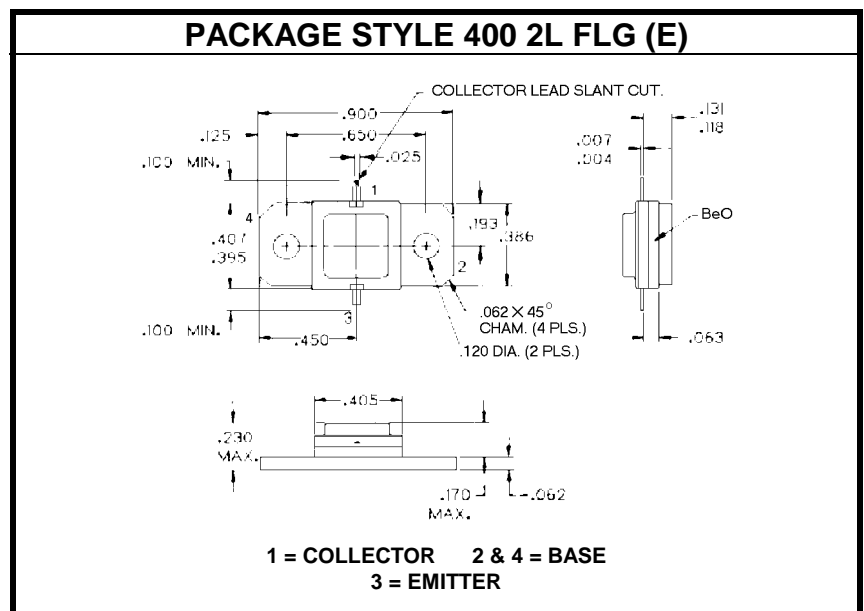
The **ASI MSC74013** is a Common Base Device Designed for Class C Amplifier Applications.

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 °C
T_J	-55 °C to +200 °C
T_{STG}	-55 °C to +200 °C
θ_{JC}	9.0 °C/W


CHARACTERISTICS T_C = 25 °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 μS Duty Cycle = 10%	9.5	45		dB %