NPN RF POWER TRANSISTOR

DESCRIPTION:

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

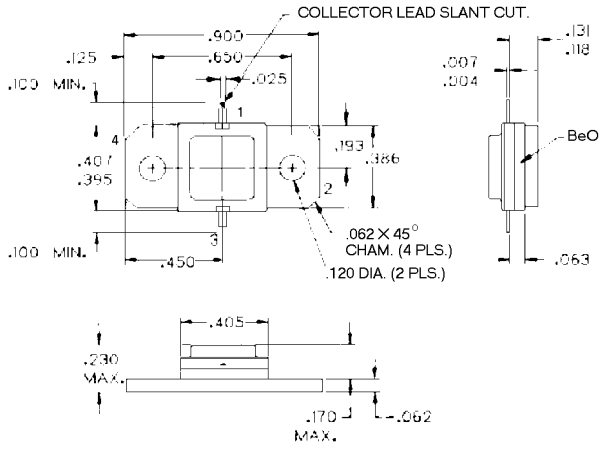
FEATURES INCLUDE:

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

PACKAGE STYLE 400 2L FLG (E)



1 = COLLECTOR 2 & 4 = BASE
3 = EMITTER

CHARACTERISTICS T_C = 25 ^{O}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	V_{CC} = 24 V P_{OUT} = 9.0 W f = 1600 to 1800 MHz	9.5			dB
η_C	Pulse Width = 100 µS Duty Cycle = 10%		45		%