



NPN RF POWER TRANSISTOR

DESCRIPTION:

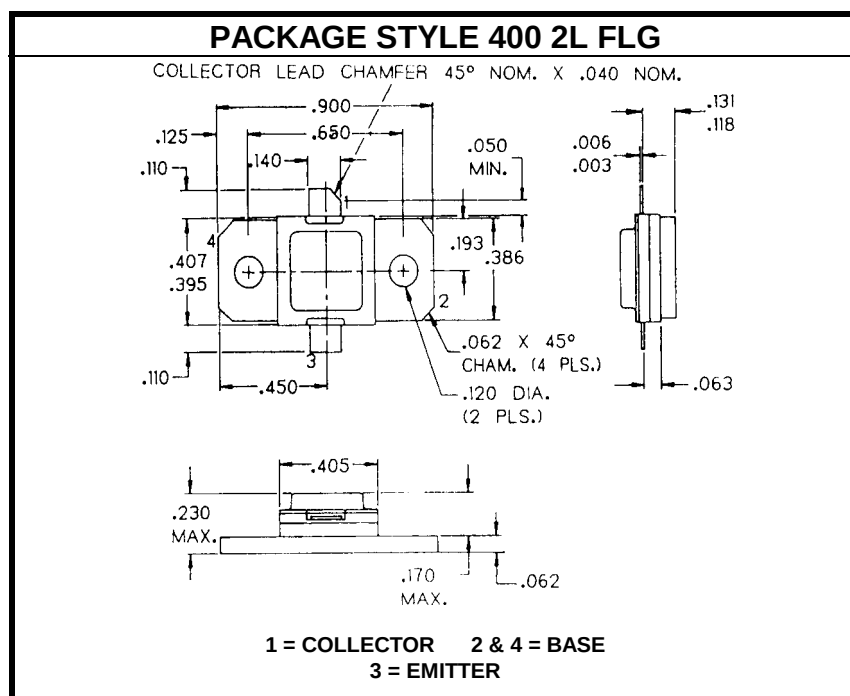
The **ASI MSC74519** is a Common Base Device Designed for Class C Applications in the 1.6 - 1.8 GHz bands.

FEATURES INCLUDE:

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

MAXIMUM RATINGS

I_C	1.0 A
V_{CBO}	40 V
P_{DISS}	31 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}	5.5°C/W



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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 2.0$ mA	40			V
BV_{EBO}	$I_C = 2.0$ mA	3.5			V
I_{CBO}	$V_{CB} = 28$ V			0.5	mA
h_{FE}	$V_{CE} = 5$ V $I_C = 0.4$ A	10		200	---
P_G	$V_{CC} = 20$ V $P_{IN} = 2.0$ W $f = 1.6 - 1.8$ GHz	6.8			dB
η_c	Pulse Width = 100 μ S Duty Cycle = 10%	47			%