



NPN RF POWER TRANSISTOR

DESCRIPTION:

The **ASI MSC74532** is a Common Base Device Designed for Class C Applications in the 1.7 - 2.0 GHz bands.

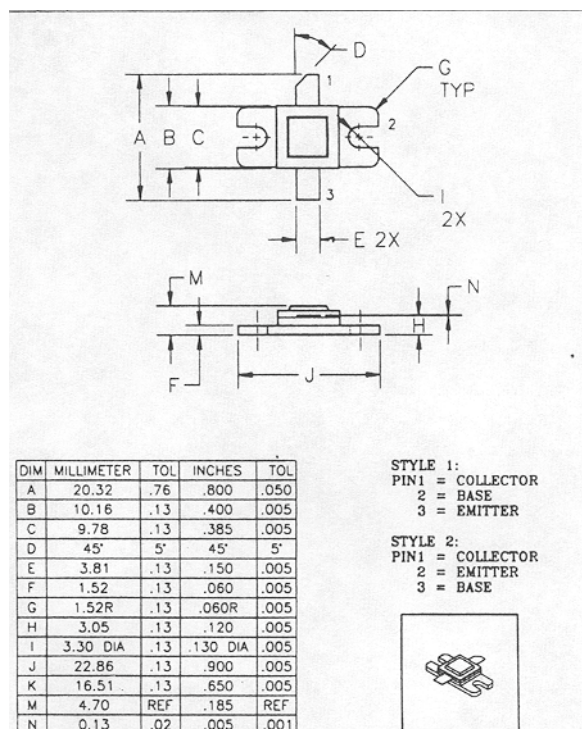
FEATURES INCLUDE:

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

MAXIMUM RATINGS

I_C	1.0 A
V_{CBO}	45 V
P_{DISS}	32 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

PACKAGE STYLE 400 2L FLG (Style 1)



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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CBO}	$I_C = 2.0\text{ mA}$	45			V
BV_{EBO}	$I_C = 2.0\text{ mA}$	3.5			V
I_{CBO}	$V_{CB} = 28\text{ V}$			0.5	mA
h_{FE}	$V_{CE} = 5\text{ V}$ $I_C = 0.4\text{ A}$	10		200	---
P_G	$V_{CC} = 24\text{ V}$ $P_{IN} = 2.2\text{ W}$ $f = 1.7 - 2.0\text{ GHz}$	7.4			dB
η_c	Pulse Width = $100\text{ }\mu\text{S}$ Duty Cycle = 10%	40			%