

NPN RF TRANSISTOR

DESCRIPTION:

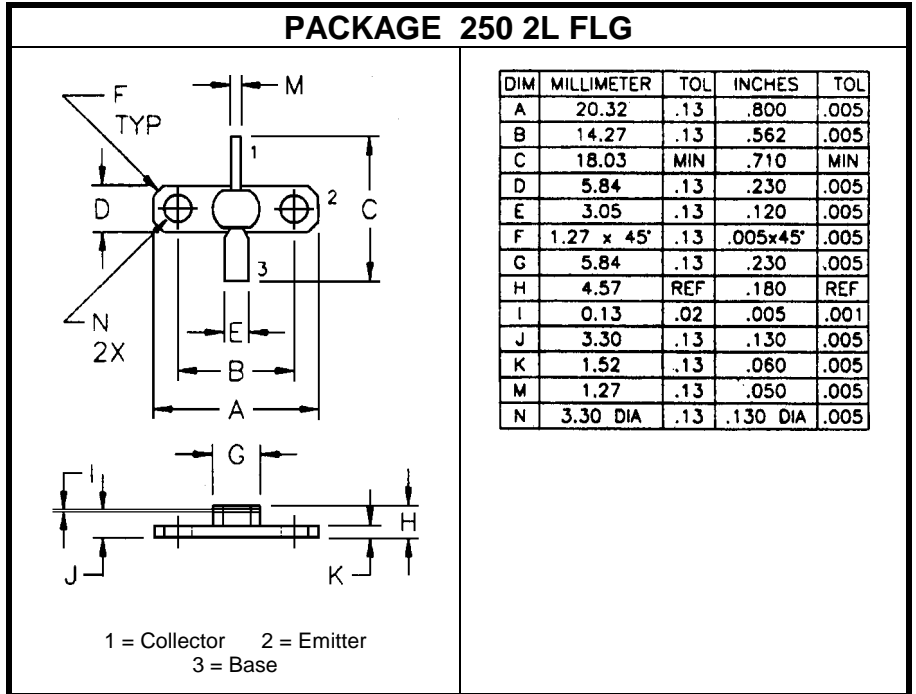
The **ASI MSC80278** is a Silicon NPN Microwave Transistor Supplied in a Common Emitter Package, Designed for linear Applications.

FEATURES:

- Emitter Ballasted
- Gold Metallization
- Hermetically sealed Package

MAXIMUM RATINGS

I_C	300 mA
V_{CEO}	20 V
P_{DISS}	5.0 W @ T _C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +200 °C
θ_{JC}	35 °C/W


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	I _C = 5.0 mA	20			V
BV_{CBO}	I _C = 1.0 mA	50			V
BV_{EBO}	I _E = 1.0 mA	3.5			V
I_{CEO}	V _{CE} = 18 V			0.5	mA
h_{FE}	V _{CE} = 5.0 V I _C = 100 mA	15		120	---
G_P	P _{out} = 28 dBm f = 2.0 GHz			1.0	dB
C_{OB}	V _{CB} = 28 V f = 1.0 MHz			3.0	pF