

NPN SILICON RF TRANSISTOR

DESCRIPTION:

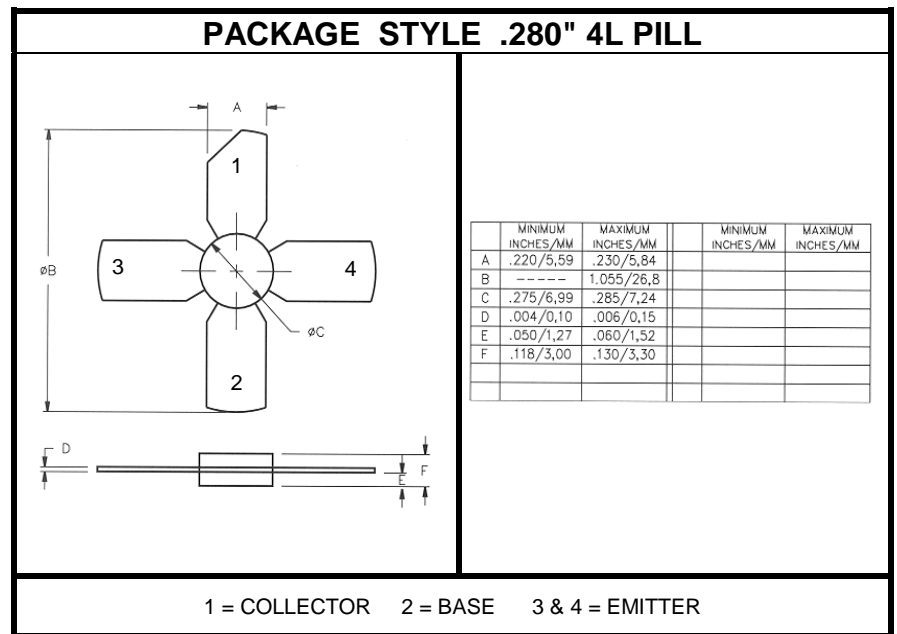
The **ASI MRF752** is Designed for UHF Large Signal Amplifier Application from 407 to 512 MHz, and 5.0 to 10 V.

FEATURES INCLUDE:

- High Power Gain
- Infinite VSWR

MAXIMUM RATINGS

I_C	1.2 A
V_{CE}	13 V
P_{DISS}	15 W @ T _C = 25 °C
T_J	-65 °C to +150 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	11.7 °C/W


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	I _C = 25 mA	13			V
BV_{CES}	I _C = 25 mA	25			V
BV_{EBO}	I _E = 3.0 mA	4.0			V
I_{CB0}	V _{CB} = 9.0 V			1.0	mA
h_{FE}	V _{CE} = 5.0 V I _C = 100 mA	20	85		---
C_{ob}	V _{CB} = 7.5 V f = 1.0 MHz		27	35	pF
G_{PE} η	V _{CC} = 7.5 V P _{out} = 2.5 W f = 470 MHz	8.0 55	9.0		dB %