

NPN SILICON RF TRANSISTOR

DESCRIPTION:

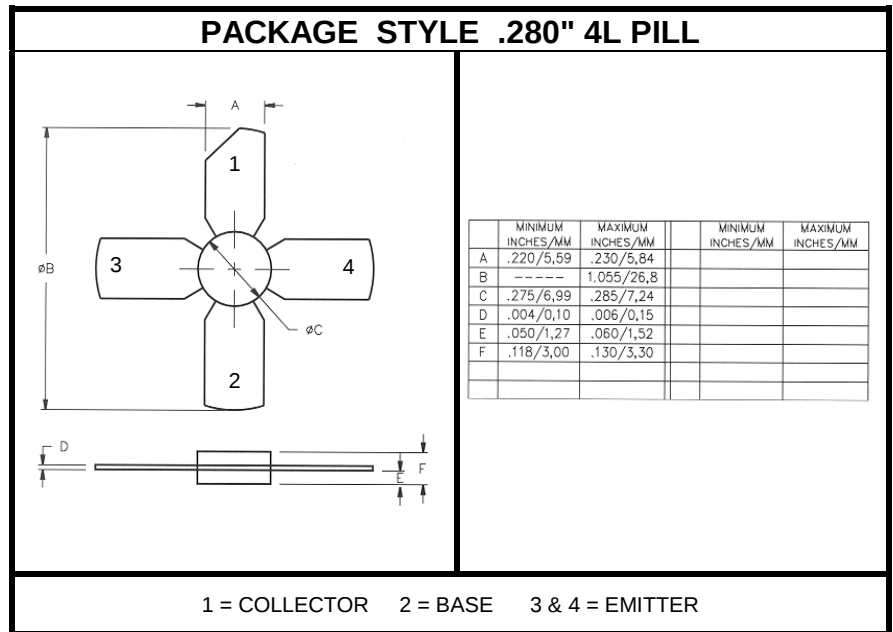
The **ASI MRF752** is Designed for UHF Large Signal Amplifier Application from 407 to 512 MHz, and 5.0 to 10 V.

FEATURES INCLUDE:

- High Power Gain
- Infinite VSWR

MAXIMUM RATINGS

I_C	1.2 A
V_{CE}	13 V
P_{DISS}	15 W @ $T_C = 25^\circ\text{C}$
T_J	-65°C to $+150^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$
θ_{JC}	11.7 $^\circ\text{C/W}$



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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 25\text{ mA}$	13			V
BV_{CES}	$I_C = 25\text{ mA}$	25			V
BV_{EBO}	$I_E = 3.0\text{ mA}$	4.0			V
I_{CBO}	$V_{CB} = 9.0\text{ V}$			1.0	mA
h_{FE}	$V_{CE} = 5.0\text{ V}$ $I_C = 100\text{ mA}$	20	85		---
C_{ob}	$V_{CB} = 7.5\text{ V}$ $f = 1.0\text{ MHz}$		27	35	pF
G_{PE} η	$V_{CC} = 7.5\text{ V}$ $P_{out} = 2.5\text{ W}$ $f = 470\text{ MHz}$	8.0 55	9.0		dB %