



MRF752

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

PACKAGE STYLE .280" 4L PILL

1 = COLLECTOR 2 = BASE 3 & 4 = EMITTER

	MINIMUM INCHES/MM	MAXIMUM INCHES/MM	MINIMUM INCHES/MM	MAXIMUM INCHES/MM
A	.220/5,59	.230/5,84		
B	-----	1,055/26,8		
C	.275/6,99	.285/7,24		
D	.004/0,10	.006/0,15		
E	.050/1,27	.060/1,52		
F	.118/3,00	.130/3,30		

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_{CBO}	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 %

