

NPN SILICON RF TRANSISTOR

DESCRIPTION:

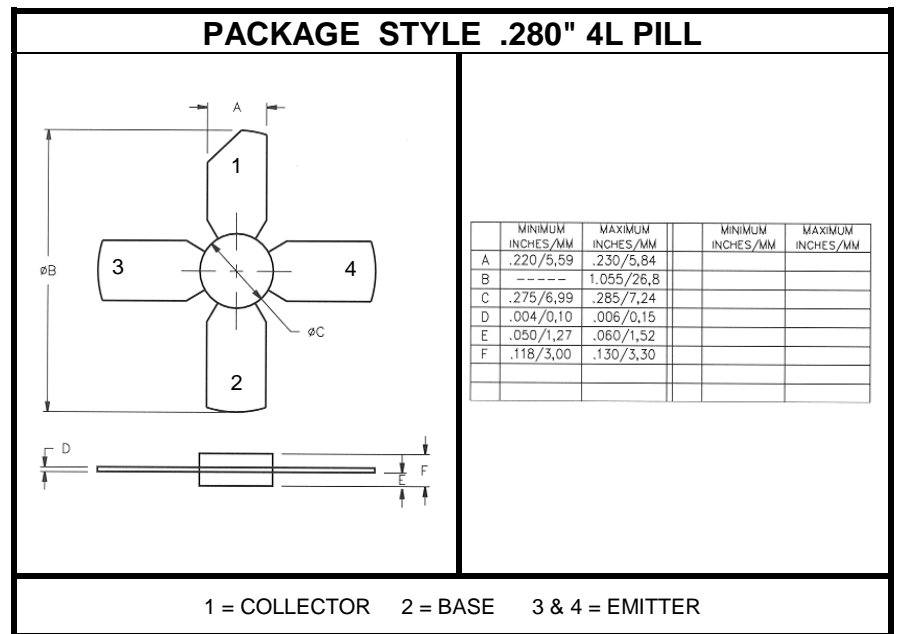
The **ASI MRF752** is Designed for UHF Large Signal Amplifier Application from 407 to 512 MHz, and 5.0 to 10 V.

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_{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 % |