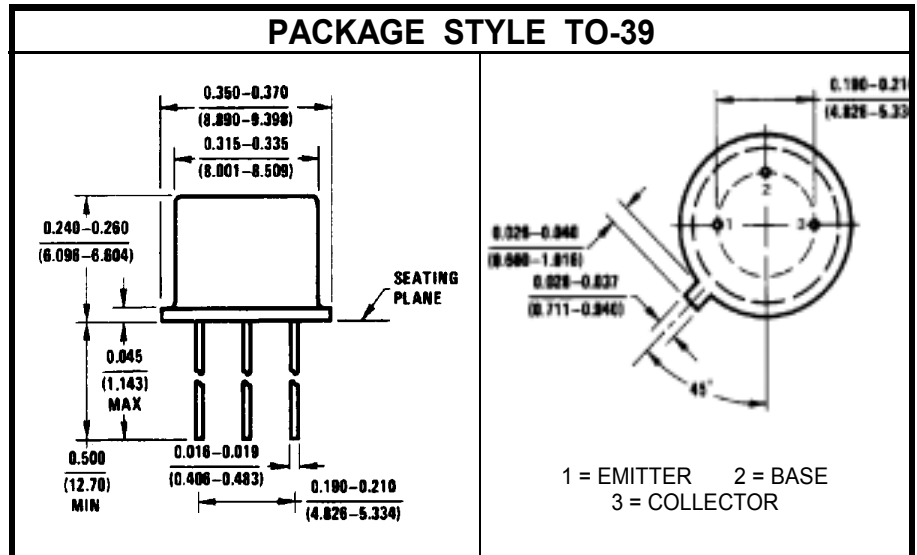


DESCRIPTION: The MRF237 is designed for large signal power amplifier applications operating to 225 MHz

MAXIMUM RATINGS

| | |
|------------|---|
| I_C | 1.0 A |
| V_{CBO} | 36 V |
| V_{CEO} | 18 V |
| P_{DISS} | 8.0 W @ $T_C = 25\text{ }^\circ\text{C}$ |
| T_J | -65 $^\circ\text{C}$ to +200 $^\circ\text{C}$ |
| T_{STG} | -65 $^\circ\text{C}$ to +200 $^\circ\text{C}$ |
| JC | 22 $^\circ\text{C/W}$ |



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

| SYMBOL | TEST CONDITIONS | MINIMUM | TYPICAL | MAXIMUM | UNITS |
|------------|--|----------|----------|---------|---------|
| BV_{CEO} | $I_C = 10\text{ mA}$ | 18 | | | V |
| BV_{CES} | $I_C = 5.0\text{ mA}$ | 36 | | | V |
| BV_{EBO} | $I_C = 1.0\text{ mA}$ | 4.0 | | | V |
| I_{CBO} | $V_{CE} = 15\text{ V}$ | | | .25 | mA |
| h_{FE} | $V_{CE} = 5.0\text{ V}$ $I_C = 250\text{ mA}$ | 5.0 | | | --- |
| C_{OB} | $V_{CB} = 15\text{ V}$ $f = 1.0\text{ MHz}$ | | 15 | 20 | pF |
| G_{PE} | $V_{CC} = 12.5\text{ V}$ $P_{OUT} = 4.0\text{ W}$ $f = 175\text{ MHz}$ | 12 50 | 14 62 | | dB % |

Note : Above parameters , ratings , limits and conditions are subject to change.