

High band/VHF FM power transistor

MRF261

Description:

MRF261 is designed as 10W, 5.2dB, 12.5V, 136-175MHz, TO220 high band/VHF FM transistors.

Maximum Ratings at TU = 25

| Symbol | Test Conditions | Characteristics | Units |
|--------|-----------------|-----------------|-------|
| BVCEs | IC=10 mA | Max. 36 | V |
| BVCEO | IC=30 mA | Max. 18 | V |
| BVEBO | IE=5 mA | Max. 4 | V |
| IC | | Max. 2 | A |
| Ptot | | Max. 30 | W |
| TSTG | | Min. -65 | |
| | | Max. 150 | |
| TjM | | Max. 175 | |

Data at TU = 25 (VCC =12.5 V f=175 MHz)

| Symbol | Test Conditions | Characteristics | Units |
|--------|--------------------|-----------------|-------|
| Pout | | Typ. 10 | W |
| GP | | Typ. 10 | dB |
| | | Typ. 60 | % |
| hFE | IC = 0.5A VCE =5V | Typ. 45 | |
| VCEsat | IC =0.5A IB =0.1 A | Max. 1 | V |
| ICES | VCE =18V | Max. 1 | mA |
| CCBO | VCB =18V | Typ. 50 | pF |

Drawings:

