

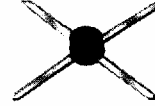
up to 56 mW (+ 17.5 dBm) output
dc to 2 GHz

case style selection

outline drawings Table of Contents



RAM



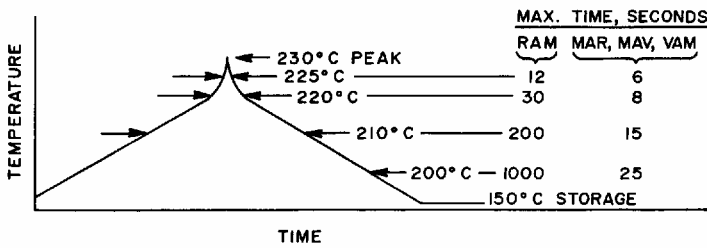
MAR



MAR-SM

| MODEL NO. | FREQ. MHz | | GAIN, dB Typical (at MHz) | | | | | MAXIMUM POWER, dBm | | DYNAMIC RANGE | | VSWR | | MAXIMUM RATING (25°C) | | DC POWER of Pin 3 | | PRICE \$ | DISTRIBUTOR | |
|---------------------|--------------------------|----------------|------------------------------|------|------|------|-----------------|--------------------------|-------------------------|------------------|--------------------|-------|-------|--------------------------|---------------|-------------------|------|----------|-------------|-----|
| | f _L | f _U | 100 | 500 | 1000 | 2000 | (Note 4) MIN | Output 1dB (Comp.) | Input no (damage) | NF dB Typ. | IP3 dBm Typ. | In | Out | Current (mA) | Volt. Typ. | Qty. (25) | ▲ | FACTORY | LOCAL | |
| | | | | | | | | | | | | | | | | | | | | 100 |
| □ MAR case VV105 | MAR-1 | DC-1000 | 18.5 | 17.5 | 15.5 | — | 13.0 | + 1.5 | +20 | 5.5 | +14.0 | 1.3:1 | 1.3:1 | 40 | 200 | 17 | 5.0 | 0.99 | ● | ● |
| | MAR-2 | DC-2000 | 12.5 | 12.3 | 12.0 | 11.0 | 8.5 | + 4.5 | +20 | 6.5 | +17.0 | 1.3:1 | 1.4:1 | 60 | 325 | 25 | 5.0 | 1.35 | ● | ● |
| | MAR-3 | DC-2000 | 12.5 | 12.2 | 12.0 | 10.5 | 8.0 | +10.0 | +20 | 6.0 | +23.0 | 1.5:1 | 1.7:1 | 70 | 400 | 35 | 5.0 | 1.45 | ● | ● |
| | MAR-4 | DC-1000 | 8.3 | 8.2 | 8.0 | — | 7.0 | +12.5 | +20 | 6.5 | +25.5 | 1.6:1 | 2.0:1 | 85 | 500 | 50 | 5.25 | 1.55 | ● | ● |
| | MAR-6 | DC-2000 | 20.0 | 18.5 | 16.0 | 11.0 | 9.0 | + 2.0 | +20 | 3.0 | +14.5 | 1.5:1 | 1.4:1 | 50 | 200 | 16 | 3.5 | 1.29 | ● | ● |
| | MAR-7 | DC-2000 | 13.5 | 13.1 | 12.5 | 11.0 | 8.5 | + 5.5 | +20 | 5.0 | +19.0 | 1.4:1 | 1.5:1 | 60 | 275 | 22 | 4.0 | 1.75 | ● | ● |
| | MAR-8 | DC-1000 | 32.5 | 28.0 | 22.5 | — | 19.0 | +12.5 | +20 | 3.3 | +27.0 | # | # | 65 | 500 | 36 | 7.8 | 1.70 | ● | ● |
| | ○ □ MAR-SM case WW107 | MAR-1SM | DC-1000 | 18.5 | 17.5 | 15.5 | — | 13.0 | + 1.5 | +20 | 5.5 | +14.0 | 1.3:1 | 1.2:1 | 40 | 200 | 17 | 5.0 | 1.04 | ● |
| MAR-2SM | | DC-2000 | 12.5 | 12.3 | 12.0 | 11.0 | 8.5 | + 4.5 | +20 | 6.5 | +17.0 | 1.5:1 | 1.4:1 | 60 | 325 | 25 | 5.0 | 1.40 | ● | ● |
| MAR-3SM | | DC-2000 | 12.5 | 12.2 | 12.0 | 10.5 | 8.0 | +10.0 | +20 | 6.0 | +23.0 | 1.5:1 | 1.7:1 | 70 | 400 | 35 | 5.0 | 1.50 | ● | ● |
| MAR-4SM | | DC-1000 | 8.3 | 8.2 | 8.0 | — | 7.0 | +12.5 | +20 | 7.0 | +25.5 | 1.5:1 | 1.9:1 | 85 | 500 | 50 | 5.25 | 1.60 | ● | ● |
| MAR-6SM | | DC-2000 | 20.0 | 18.5 | 16.0 | 11.0 | 9.0 | + 2.0 | +20 | 3.0 | +14.5 | 1.7:1 | 1.7:1 | 50 | 200 | 16 | 3.5 | 1.34 | ● | ● |
| MAR-7SM | | DC-2000 | 13.5 | 13.1 | 12.5 | 11.0 | 8.5 | + 5.5 | +20 | 5.0 | +19.0 | 1.7:1 | 1.7:1 | 60 | 275 | 22 | 4.0 | 1.80 | ● | ● |
| MAR-8SM | | DC-1000 | 32.5 | 28.0 | 22.5 | — | 19.0 | +12.5 | +20 | 3.3 | +27.0 | # | # | 65 | 500 | 36 | 7.8 | 1.75 | ● | ● |
| ○ RAM case AF190 | | RAM-1 | DC-1000 | 19.0 | 17.5 | 15.5 | — | 13.0 | + 1.5 | +20 | 5.5 | +14.0 | 1.3:1 | 1.3:1 | 40 | 200 | 17 | 5.0 | 4.95 | ● |
| | RAM-2 | DC-2000 | 12.5 | 12.0 | 11.8 | 11.0 | 8.5 | + 4.5 | +20 | 6.5 | +17.0 | 1.2:1 | 1.4:1 | 60 | 325 | 25 | 5.0 | 4.95 | ● | ● |
| | RAM-3 | DC-2000 | 12.5 | 12.2 | 12.0 | 10.5 | 8.0 | +10.0 | +20 | 6.0 | +23.0 | 1.6:1 | 1.7:1 | 80 | 425 | 35 | 5.0 | 4.95 | ● | ● |
| | RAM-4 | DC-1000 | 8.5 | 8.2 | 8.0 | — | 7.0 | +12.5 | +20 | 6.5 | +25.5 | 1.4:1 | 1.9:1 | 100 | 540 | 50 | 5.25 | 4.95 | ● | ● |
| | RAM-6 | DC-2000 | 20.0 | 19.0 | 16.0 | 11.0 | 9.0 | + 2.0 | +20 | 2.8 | +14.5 | 1.4:1 | 1.3:1 | 50 | 200 | 16 | 3.5 | 4.95 | ● | ● |
| | RAM-7 | DC-2000 | 13.5 | 13.1 | 12.5 | 11.0 | 8.5 | + 5.5 | +20 | 4.5 | +19.0 | 2.0:1 | 1.8:1 | 60 | 275 | 22 | 4.0 | 4.95 | ● | ● |
| | RAM-8 | DC-1000 | 32.5 | 28.0 | 23.0 | — | 19.0 | +12.5 | +20 | 3.0 | +27.0 | # | # | 65 | 420 | 36 | 7.8 | 4.95 | ● | ● |

REFLOW - SOLDERING PROFILE



Typical Biasing Configuration

