

Limiters

| Part Number | Min Freq RF/LO (MHz) | Max Freq RF/LO (MHz) | Insertion Loss (dB) | Ave. Power (W) | Peak Power (W) | Leakage (mW) | Recovery Time (µs) | Package |
|------------------|----------------------|----------------------|---------------------|----------------|----------------|--------------|--------------------|--------------------|
| MADL-011012 | 300 | 1000 | 0.2 | 360 | 55.6 | 100 | 3 | SMT Hermetic |
| 2690-1001 ♦ | 1000 | 2000 | 0.7 | 1 | 100 | 75 | 100 | Coax |
| 2690-1003 ♦ | 1000 | 2000 | 0.9 | 3 | 1000 | 100 | 1000 | Coax |
| MADL-011014 | 1000 | 2000 | 0.35 | 200 | 320 | 100 | 3.5 | SMT Hermetic |
| 2690-1005 ♦ | 2000 | 8000 | 1.1 | 1 | 100 | 50 | 100 | Coax |
| 2690-1007 ♦ | 2000 | 8000 | 1.3 | 3 | 1000 | 100 | 1000 | Coax |
| 2690-1013 ♦ | 2000 | 18000 | 2 | 1 | 100 | 50 | 100 | Coax |
| 2690-1014 ♦ | 2000 | 18000 | 2.3 | 2 | 500 | 75 | 250 | Coax |
| 2690-1015 ♦ | 2000 | 18000 | 2.3 | 3 | 1000 | 100 | 1000 | Coax |
| 2690-1009 ♦ | 8000 | 18000 | 1.8 | 1 | 100 | 50 | 100 | Coax |
| 2690-1011 ♦ | 8000 | 18000 | 2.3 | 3 | 1000 | 100 | 1000 | Coax |
| LM202602-H-A-300 | 2000 | 6000 | 0.85 | — | 100 | 63 | 100 | Flangeless Ceramic |
| LM202802-Q-B-301 | 2000 | 8000 | 1.1 | — | 125 | 126 | 5 | Flangeless Ceramic |
| LM202802-Q-C-301 | 2000 | 8000 | 1.1 | — | 125 | 126 | 5 | Flangeless Ceramic |
| LM202802-L-C-300 | 2000 | 8000 | 1 | — | 100 | 79 | 75 | Flangeless Ceramic |

Power Detectors

| Part Number | Min Freq (MHz) | Max Freq (MHz) | Insertion Loss (dB) | Sensitivity (dBm) | Directivity (dB) | Max Power (dBm) | Package |
|-----------------|----------------|----------------|---------------------|-------------------|------------------|-----------------|----------|
| MADT-011000-DIE | 5000 | 44000 | — | — | — | — | Die |
| MADT-011000 | 5000 | 44000 | — | — | — | — | 3 mm QFN |

IQ Modulators/Demodulators

| Part Number | Min Freq RF/LO (MHz) | Max Freq RF/LO (MHz) | Min Freq IF (MHz) | Max Freq IF (MHz) | LO Carrier Sup (dB) | Harmonic Sup 3X IQ (dBc) | LO-RF Isol (dB) | Package |
|--------------------|----------------------|----------------------|-------------------|-------------------|---------------------|--------------------------|-----------------|---------|
| MAMO-008665-ES0018 | 105 | 115 | 0 | 5 | — | — | — | SM-28 |
| MAMO-008774-ES0019 | 135 | 176 | 0 | 5 | — | — | — | SM-28 |
| MAMO-007252-IN2960 | 921 | 960 | 0 | 0.27 | — | — | — | SM-28 |

Digital Phase Shifters

| Part Number | Min Freq (MHz) | Max Freq (MHz) | Bit Count | LSB (°) | IIP3 (dBm) | RMS Phase (dBm) | Package |
|-------------|----------------|----------------|-----------|---------|------------|-----------------|--------------|
| MAPS-011007 | 1200 | 1400 | 6-Bit | 5.6 | 48 | 2 | 4 mm PQFN-24 |
| MAPS-010143 | 1400 | 2400 | 4-Bit | 22.5 | 40 | 2 | 4 mm PQFN-24 |
| MAPS-010163 | 1400 | 2400 | 6-Bit | 5.6 | 40 | 3 | 4 mm PQFN-24 |
| MAPS-010144 | 2300 | 3800 | 4-Bit | 22.5 | 47 | 2.2 | 4 mm PQFN-24 |
| MAPS-010164 | 2300 | 3800 | 6-Bit | 5.6 | 45 | 3 | 4 mm PQFN-24 |
| MAPS-010145 | 3500 | 6000 | 4-Bit | 22.5 | 45 | 3 | 4 mm PQFN-24 |
| MAPS-010165 | 3500 | 6000 | 6-Bit | 5.6 | 40 | 4 | 4 mm PQFN-24 |
| MAPS-011008 | 5000 | 6000 | 6-Bit | 5.6 | 48 | 2 | 4 mm PQFN-24 |
| MAPS-010146 | 8000 | 12000 | 4-Bit | 22.5 | 40 | 5 | 4 mm PQFN-24 |
| MAPS-010166 | 8000 | 12000 | 6-Bit | 5.6 | 40 | 5 | 4 mm PQFN-24 |

Note: Part numbers are RoHS compliant ♦ indicates non-RoHS compliant
 Detailed specifications can be found quickly on our website at macom.com by typing the part number into the search box.
 All specifications are subject to change.