



VDI Integrated Amplifier / Multiplier Chain Specifications

| Product Name | WR15AMC-I | WR12AMC-I | WR10AMC-I | WR9.0AMC-I | WR8.0AMC-I | WR6.5AMC-I | WR5.1AMC-I | WR4.3AMC-I |
|----------------------------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|------------|
| RF Frequency Band (GHz) | 50-75 | 60-90 | 75-110 | 82-125 | 90-140 | 110-170 | 140-220 | 170-260 |
| Output Flange (UG-387/U-M) | WR-15 | WR-12 | WR-10 | WR-9.0 | WR-8.0 | WR-6.5 | WR-5.1 | WR-4.3 |
| Output Power (Typical / Minimum) | 15 / 12 dBm | 15 / 12 dBm | 20 / 17 dBm | 14 / 10 dBm | 10 / 7 dBm | 18 / 15 dBm | 4 / 0 dBm | 2 / -3 dBm |
| Multiplication Factor | 6 | 6 | 6 | 12 | 12 | 12 | 12 | 24 |
| RF Input (GHz) | 8.33-12.5 | 10-15 | 12.5-18.33 | 6.83-10.42 | 7.5-11.67 | 9.17-14.17 | 11.67-18.33 | 7.08-10.83 |

| Product Name | WR3.4AMC-I | WR2.8AMC-I | WR2.2AMC-I | WR1.5AMC-I | WR1.0AMC-I | | | |
|----------------------------------|-------------|--------------|------------|---------------|---------------|--|--|--|
| RF Frequency Band (GHz) | 220-330 | 260-400 | 325-500 | 500-750 | 750-1100 | | | |
| Output Flange (UG-387/U-M) | WR-3.4 | WR-2.8 | WR-2.2 | WR-1.5 | WR-1.0 | | | |
| Output Power (Typical / Minimum) | 6 / 3 dBm | -6 / -12 dBm | 1 / -5 dBm | -21 / -27 dBm | -23 / -33 dBm | | | |
| Multiplication Factor | 18 | 36 | 36 | 72 | 108 | | | |
| RF Input (GHz) | 12.22-18.33 | 7.22-11.11 | 9.03-13.89 | 6.94-10.42 | 6.94-10.19 | | | |

AMC-I Option List:

- Micrometer Driven Attenuator (~0-30dB)
- Output Horn Antenna
- Waveguide Test Port Extensions (1" and 2" available)

General Notes:

- AMC-I products require a user supplied voltage. +9V expected for AMC-I module. +5V expected for attached fan.
- AMC-I products are shipped with a heat sink and fan, but may be removed. If heat sink and fan are removed, user must provide sufficient heat sinking. Maximum case temperature should not exceed 45 C.
- To reduce noise contributions from provided fan, VDI recommends operating the fan on a separate and isolated power supply.
- All input connectors are 2.9mm(f) compatible.
- AMC-I are configured to allow 0dBm +/-3dB RF input power.
- No test port is included with the module. Contact VDI for pricing on test ports (1" and 2" test ports are available).
- Includes TTL modulation (on/off up to ~kHz) and User Controlled Attenuation (UCA), 0-5V