



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
Low Frequency 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			
Low Frequency 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:

- VDI AMC-I's require a user supplied voltage.
- Includes solder pin connectors for TTL modulation (ON/OFF up to ~kHz) and User Controlled Attenuation (UCA)
- VDI AMC-I products are shipped with a heat sink, but may be removed. If heat sink is removed, user must provide sufficient heat sinking.
- Unwanted harmonic content is better than -20dBc (typical).
- RF Input connector is 2.9mm(f).
- AMC-I modules can be driven by any source that supplies the required frequency band and power.
- The stability of the input is degraded by the harmonic factor (N), and the phase noise by 20log(N).