



## VDI Waveguide Amplifiers

| Product Name                          | VDI15.0AMP-0055/0067-15-20 | VDI12.0AMP-0067/0087-20-20 | WR12AMP   | WR10AMP   | WR6.5AMP  | WR4.3AMP  |
|---------------------------------------|----------------------------|----------------------------|-----------|-----------|-----------|-----------|
| RF Frequency Band (GHz)               | 55-67                      | 67-87                      | 60-90     | 75-110    | 110-170   | 170-260   |
| Input / Output Flange (UG-387/U-M)    | WR-15                      | WR-12                      | WR-12     | WR-10     | WR-6.5    | WR-4.3    |
| Gain (Typical, dB)                    | 17                         | 20                         | 18        | 18        | 20        | 24        |
| Saturated Output Power (Typical, dBm) | 20                         | 19                         | 20        | 20        | 18        | 16        |
| Output P1dB (Typical, est.)           | 17                         | -                          | 16        | 17        | 11        | 9         |
| Input Return Loss (Typical, dB)       | -10                        | -10                        | -10       | -10       | -9        | -9        |
| Output Return Loss (Typical, dB)      | -10                        | -10                        | -10       | -10       | -10       | -3        |
| RF Input Damage Limit (dBm)           | 10                         | 10                         | 10        | 10        | 10        | 6         |
| Bias Voltage (V)                      | 9 ± 1                      | 9 ± 1                      | 9 ± 1     | 9 ± 1     | 9 ± 1     | 9 ± 1     |
| Current Draw (Typical / Maximum, mA)  | 150 / 500                  | 150 / 500                  | 150 / 500 | 150 / 500 | 200 / 600 | 550 / 600 |
| Bias Voltage Connector*               | SMP(m)                     | SMP(m)                     | SMP(m)    | SMP(m)    | SMP(m)    | SMP(m)    |

\*Includes SMP(f) to LEMO and SMP(f) to SMA(m) bias cables

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