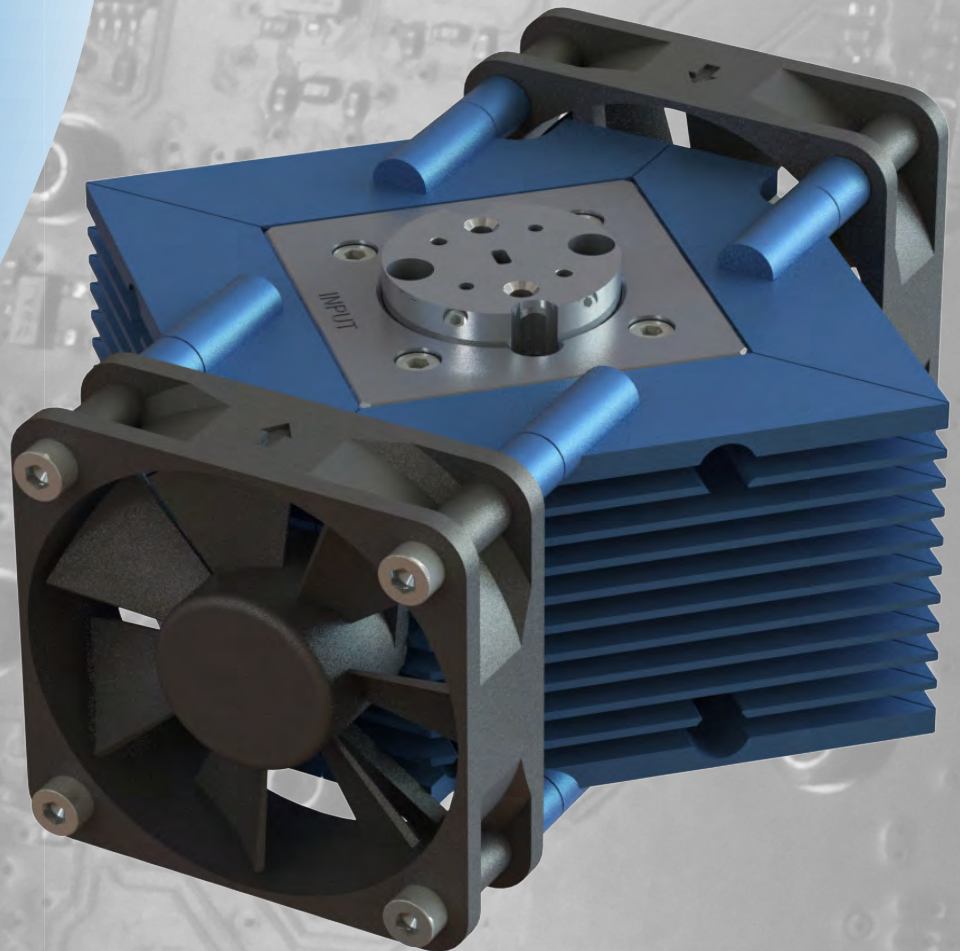




Filtronic



Cerus

E-band Power Amplifier

Market Leading Transmit Power

www.filtronic.com

Cerus, the 71-76GHz boost power amplifier from Filtronic, delivers market-leading transmit power, enabling extended link distances for high capacity E-band point-to-point radios.

Compact design can be easily integrated with Filtronic transmitter modules.

- Supports high order modulation schemes including 256QAM.
- Demonstrated operation at +33dBm QPSK.



Mechanical Specifications

Power Output Options	<i>Option 1</i>	<i>Option 5</i>
Frequency Range [GHz]	71 - 76	71 - 76
PSAT [dBm]	+33 (2W)	+35 (3.2W)
OIP3 [dBm]	39	> 40
Small Signal Gain [dB]	18	12
Integrated Temperature Sensor	Yes	Yes
Supply Voltage [V]	4	4
Supply Current [A]	3.6	10
Waveguide Interface	WR12	WR12
Temperature Range [°C]	-40 to +75	-40 to +75
Dimensions [mm]	40 x 40 x 47	40 x 40 x 47

up to
+35dBm

**+33dBm
QPSK**

256QAM

Filtronic is a state-of-the-art designer and manufacturer of RF, microwave and mmWave products for telecoms, medical and aerospace/defence applications.

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