

RADAR 460-01

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WAVEGUIDE PRESSURISED LOWPASS FILTER

For high power Meteorological Weather radars using the 2.7 to 2.9 GHz band, this lowpass filter is ideally suited to high pulse power transmissions. With stopband rejections being controlled to the third harmonic this filter is suitable for pressurised waveguide runs.

Passband:	2.7 to 2.9 GHz
Insertion Loss:	0.2 dB max
Return Loss:	20 dB min
Rejection from 5.4 to 6.2 GHz:	40 dB min
Rejection from 8.1 to 9.3 GHz:	30 dB min
Power Handling:	70 kW Peak 1.7 kW average
Operating Pressure:	15 psi absolute
Operating temperature:	-40 to 50°C
Connectors:	CPR284 Flange
External Finish:	Matt Black

Outline:

