

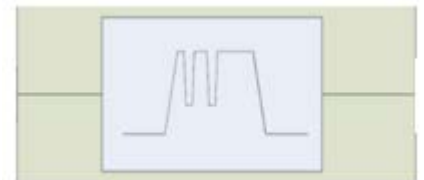
# GPS 509-01

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## GPS BANDPASS FILTER

BSC offer a wide range of high performance filters for GPS applications. The GPS 509 filter is a wideband ruggedized bandpass filter with integrated notch designed to be fitted on the output of high power transmitter systems allowing simultaneous operation of a high power emitter whilst protecting co-located GPS L1/L2 receivers.

Passband:	1000 to 1152.6 MHz 1302.6 to 1485.42 MHz 1665.42 to 2500 MHz
Passband Insertion Loss:	1.5 dB max
Passband Flatness:	1.0 dB max
Return Loss:	14 dB min
Rejection from DC to 900 MHz:	40 dB min
1217.6 to 1237.6 MHz:	30 dB min
1565.42 to 1585.42 MHz:	30 dB min
2700 to 7250 MHz:	45 dB min
7250 to 7750 MHz:	50 dB min
Power Handling from DC to 900 MHz:	5 W CW max
1000 to 2500 MHz:	100 W CW max
2500 to 7750 MHz:	5 W CW max
Operating temperature:	-33 to 55°C
Connectors:	N-Type Female
External Finish:	Matt Black



## Outline:

