

SATCOM 375-01

BSC Filters Limited
10-11 Stirling Park, Bleriot Way
Clifton Moor, York, YO30 4WU. UK
Telephone: +44 (0) 1904 694250
E-mail: sales@bscfilters.com
Web-site: www.bscfilters.com

X BAND TRANSMIT FILTER

For compact X Band transmitter applications at medium power levels, this filter offers high power capability, flat group delay and low loss, whilst offering high levels of receiver protection in a compact form factor. Fitted with coaxial connectors, this filter lends itself to ease of integration within a compact transmit assembly.

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|----------------------------------|----------------------------------|
| Passband: | 7.9 to 8.4 GHz |
| Insertion Loss: | 2.2 dB max |
| Return Loss: | 17 dB min |
| Group Delay Variation: | 5.5 nS / Band 0.8 nS / 10 MHz |
| Rejection from DC to 6.95 GHz: | 80 dB min |
| Rejection from 7.25 to 7.75 GHz: | 45 dB min |
| Rejection from 9.0 to 16.8 GHz: | 50 dB min |
| Power Handling: | 50 W max |
| Operating temperature: | -30 to 60°C |
| Connectors: | SMA Male |
| External Finish: | Gloss White |



Outline:

