

# QoS® Series QBR Band Reject Tiering Filters

PPC takes insertion loss and return loss seriously. Poor return loss can affect modem performance, QoS® Series QBR filters have an industry leading minimum return loss of -16 dB (typically -20 dB). QBR filters also have an insertion loss of -0.5 dB (typically -0.2 dB) which reduces the need to install costly drop amps. Drop cable, connectors splitters and ground blocks all have a -16 dB return loss. Why shouldn't your filters too?

## Features

- Minimum Return Loss of -16 dB (typically -20 dB)
- Maximum Insertion Loss of -0.8 dB (typically -0.2 dB)
- Laser engraved part number and production date
- Dual female interface or integrated 7/16" hex for flexibility (optional)
- Small physical size minimizes risk of port damage
- Precision four-point female seizure contact
- SCTE compliant connector interfaces
- Accommodates PPC port seal and WS-500
- Custom values available upon request



Available in AK Assembly

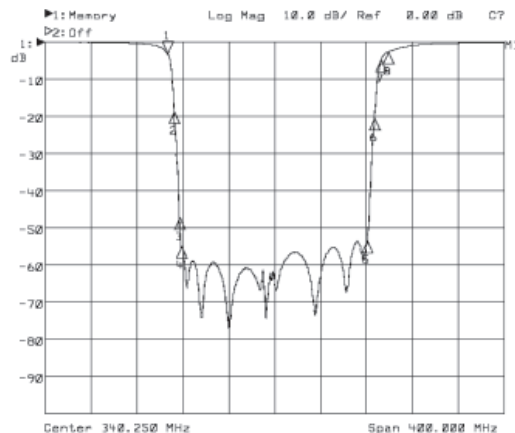
## Specifications

Minimum Operating	
Frequency	1,002 MHz minimum
Impedance	75 Ohms (nominal)
Shielding Effectiveness	> 120 dB
Dimensions	Length = 2.7 in (5.85 cm) Diameter = 0.081 in (21 mm)
Surge	6 kV per SCTE IPS-TP-210

## Trap Specifications (Model Specific)

Model: **QBR-29/58-8A**      Prep. By T.H.      Date: 10/24/07  
 Passband insertion loss: 0.5 dB      Minimum operating frequency: 1 GHz

Marker #	Freq. Desc.	Freq. (MHz)	Typical Loss (dB)	Limits (dB)
1	28 vid.	247.25	3.0	3.6 max.
2	29 vid.	253.25	18	12 min.
3	29 aud.	257.75	47	42 min.
4	30 vid.	259.25	54	50 min.
5	57 vid.	421.25	54	50 min.
6	58 vid.	427.25	19	16 min.
7	59 vid.	433.25	5.0	6.2 max.
8	60 vid.	439.25	2.7	3.5 max.



## Sample Part #

**QBR-29/58 8A**

