

Sharp Filter Passes JTIDS/MIDS and Rejects GSM/UMTS - 7HP-960/X1215-O/O

◆ Features:

- Sharp roll-off rejecting GSM/UMTS transmitters
- Attenuates out-of-band emissions of military transmitters

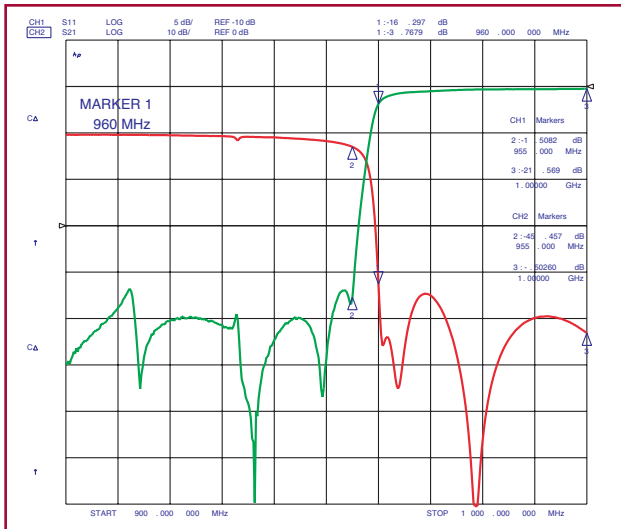
◆ Specifications:

Passband:	960 MHz to 1215 MHz; available up to 1400 MHz
VSWR:	1.8:1
Insertion Loss:	4 dB max at 960 MHz, typical 0.5 dB
Rejection:	40 dB from DC to 955 MHz
Connectors:	SMA
Size:	6.75" x 2.25" x 1.75"

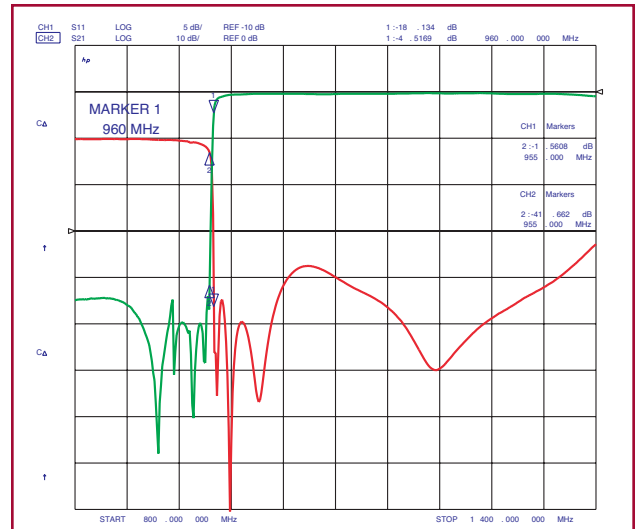


◆ Applications:

The L-band spectrum has become congested with military (JTIDS/MIDS, SSR, B-AMC, DME, UAT, etc.) and wireless (GSM/UMTS) communication platforms, leading in some scenarios to severe interference. K&L Microwave has developed a unique highpass filter, 7HP-960/X1215-O/O, with particularly sharp roll-off to mitigate such interference. The design utilizes several technologies to optimize the unloaded "Q" to volume ratio and realizes 3 zeroes at DC and 6 finite zeroes. Possible uses include reducing the out-of-band emissions of military transmitters at commercial mobile receivers and enhancing the front-end selectivity of military receivers for better rejection of transmitted commercial signals.



S21 & S11 Narrow Zoom



S21 & S11 Wide Zoom