



K&L Microwave  
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## 7HP-960/X1215-O/O Sharp Filter Passes JTIDS/MIDS and Rejects GSM/UMTS

### ◆ 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

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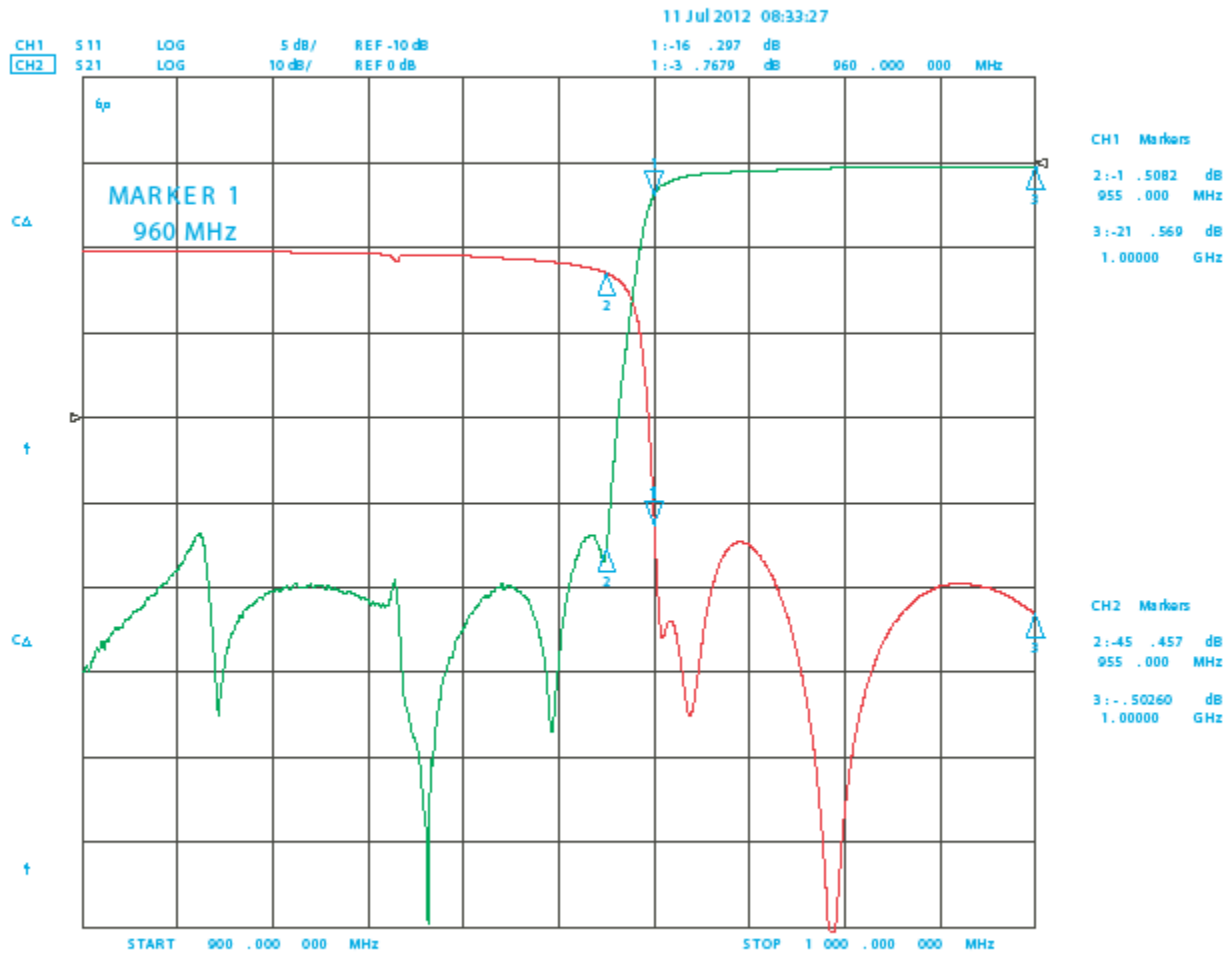
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receivers and enhancing the front-end selectivity of military receivers for better rejection of transmitted commercial signals.

Reference:

[http://www.eurocontrol.int/communications/gallery/content/public/documents/B\\_AMC%20Project%20Deliverable\\_D4\\_V11.pdf](http://www.eurocontrol.int/communications/gallery/content/public/documents/B_AMC%20Project%20Deliverable_D4_V11.pdf)

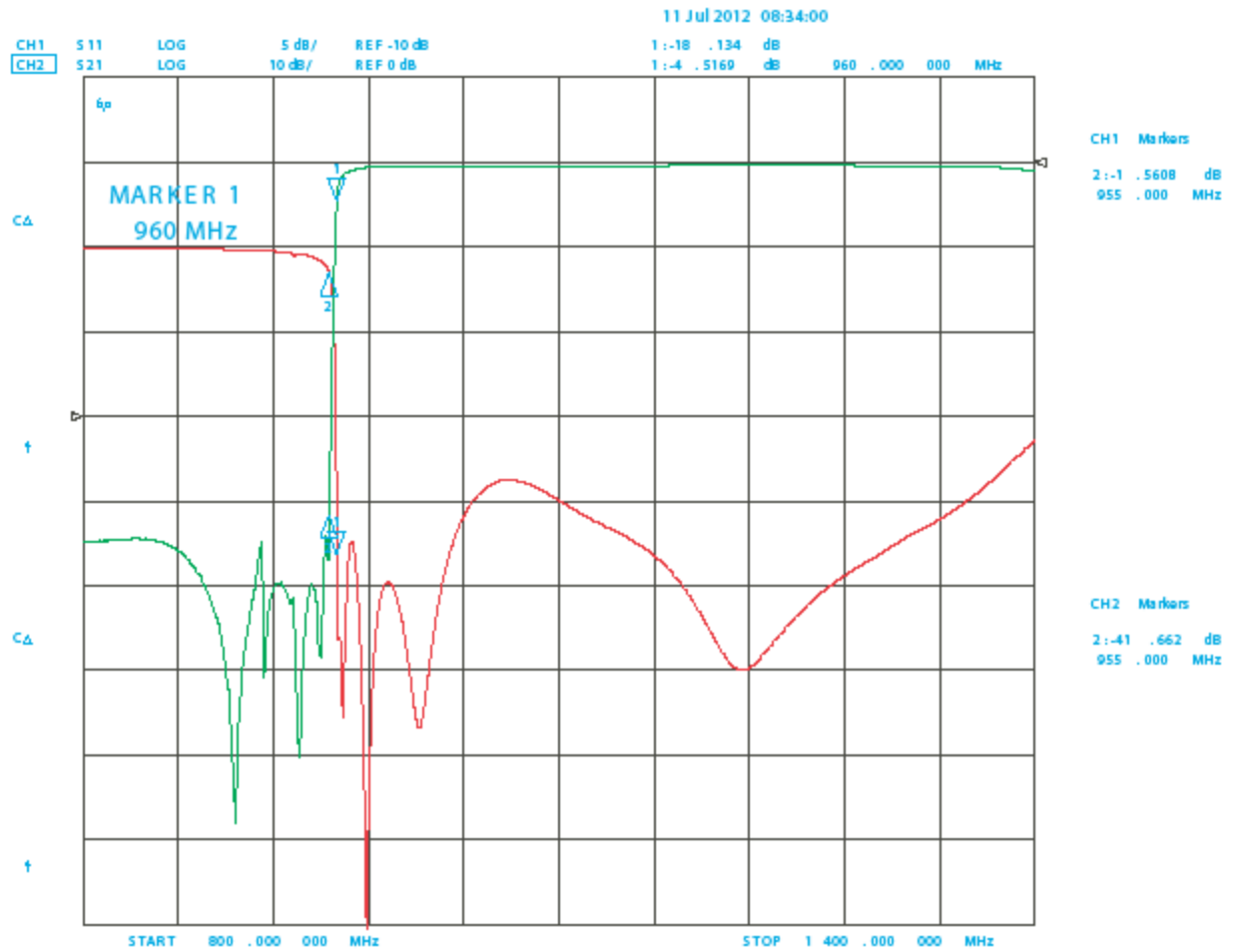
For further information, please contact K&L Microwave.



## S21 & S11 Narrow Zoom

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## S21 & S11 Wide Zoom