

E-Band Diplexer

◆ Description:

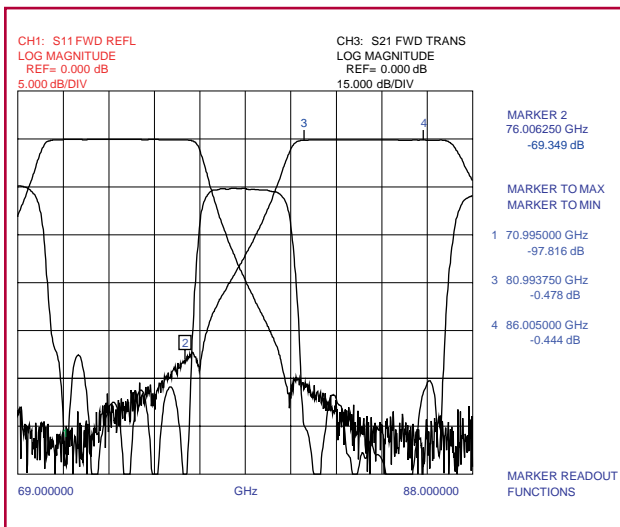
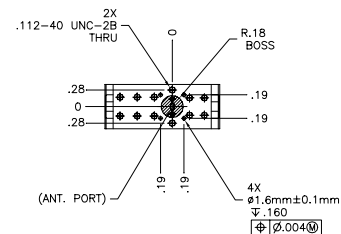
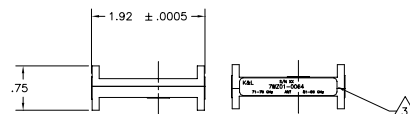
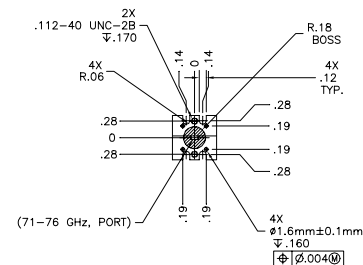
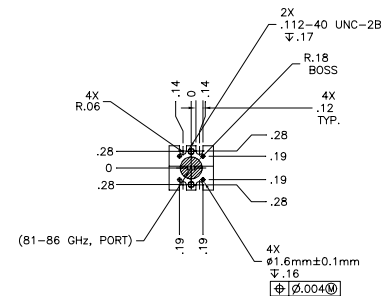
K&L's E-Band diplexer consists of two waveguide band pass filters specially designed to pass a relatively wide portion of the spectrum, from 71 to 76 GHz and 81 to 86 GHz. Utilizing the propagation of a specific combination of modes, the diplexer is designed to provide a minimum of 15 dB return loss without any tuning. Waveguide interface flanges are WR-12.



◆ Compliance Matrix:

| Characteristics | Specifications |
|---|---|
| CH1: 71-76 GHz Insertion Loss: Return Loss: Tx/Rx Isolation: | 0.7 dB max (0.5 dB typical) 14 dB min 60 dB |
| CH2: 81-86 GHz Insertion Loss: Return Loss: Tx/Rx Isolation: | 0.7 dB max (0.5 dB typical) 14 dB min 60 dB |

◆ Outline Drawing:



S11, S21 and S31 of Diplexer

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