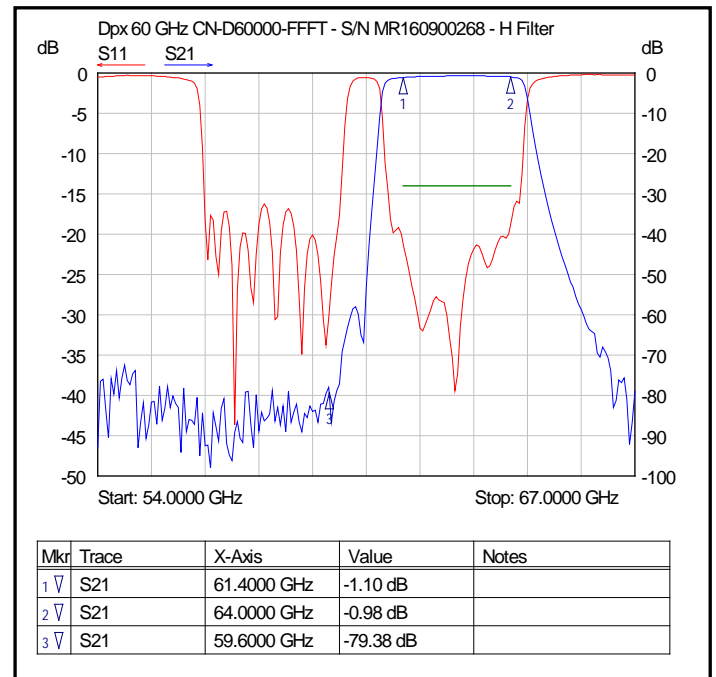
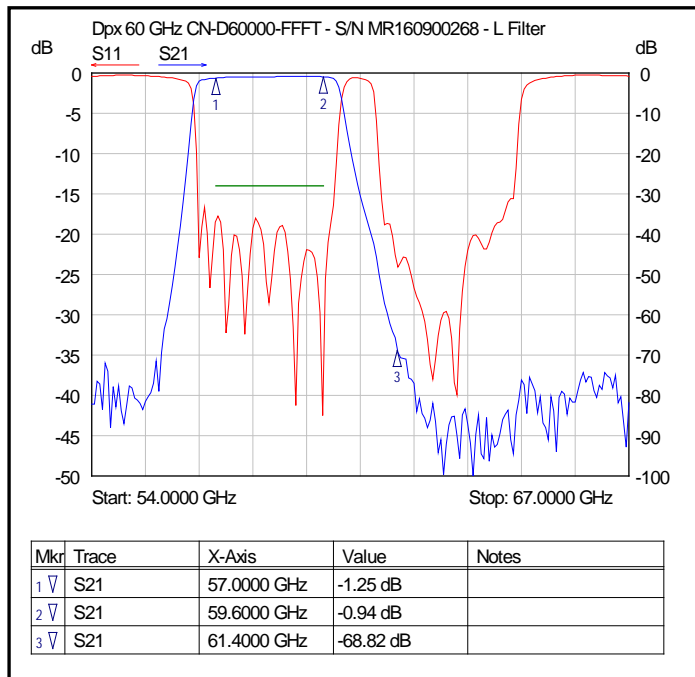


**MtronPTI V-band Diplexer**  
**MtronPTI P/N: WFDX9729**

**1. General & Electrical Requirements :**

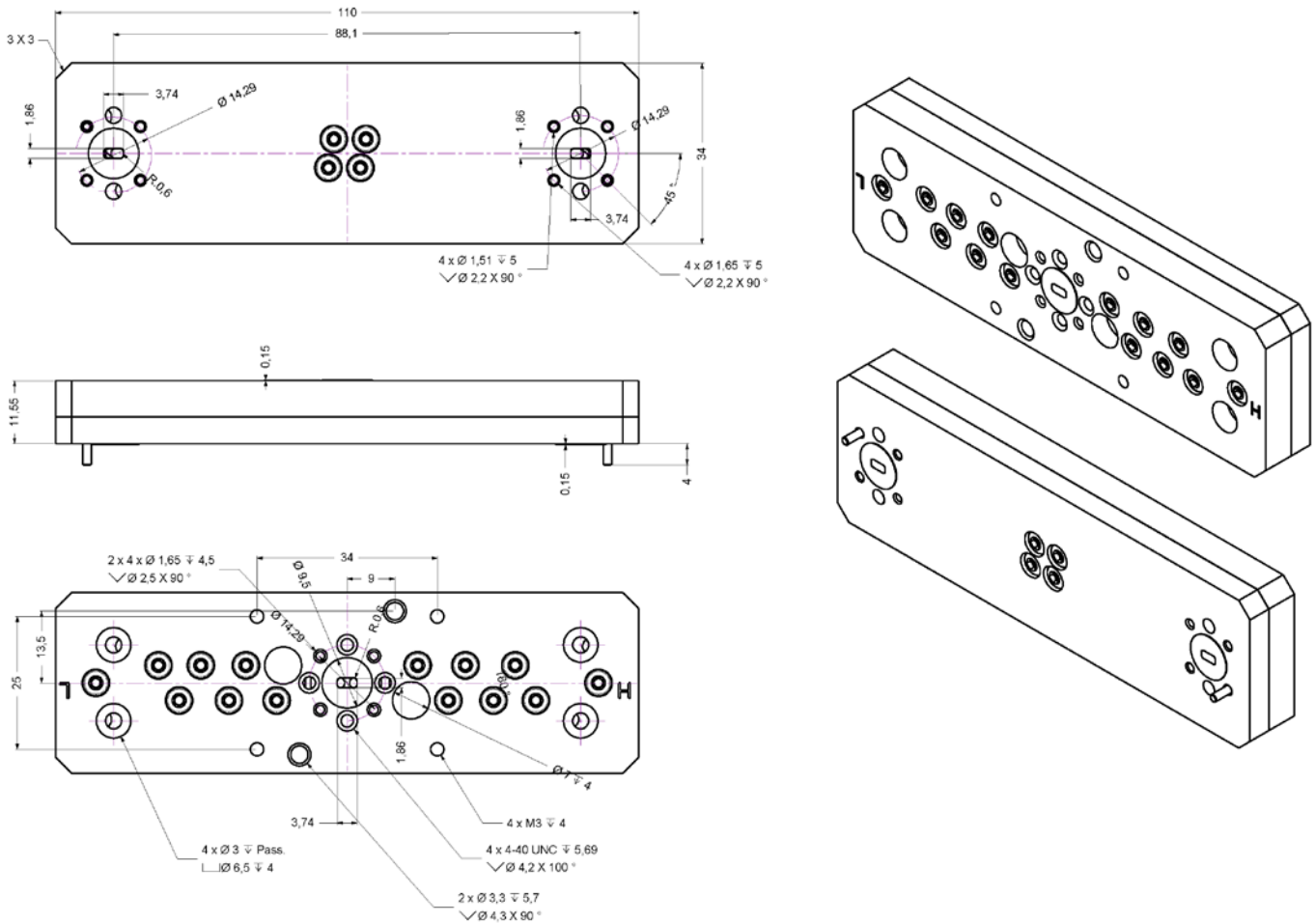
Low Filter Bandwidth	57.0-59.6 GHz
High Filter Bandwidth	61.4-64.0 GHz
Return Loss	> 14 dB (16 dB typical)
Insertion Loss	< 1.4 dB
TX/RX Isolation	> 60 dB
Temperature Range	-40C to +85C
Dimensions	110 x 34 x 11.8 mm
Connectors (on all Ports)	Flanges WG26 R740 WR12

**II. Design Simulation Plots:**



**MtronPTI V-band Diplexer**  
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**111. Outline Drawing**



**1V.Data Sheet Revision Table:**

Date	Rev.	Author	Details of Revision
12-16-16	B	DPD	TX and RX port alignment changed.
12-14-16	A	DPD	Original Draft.