

## E-Band Diplexer

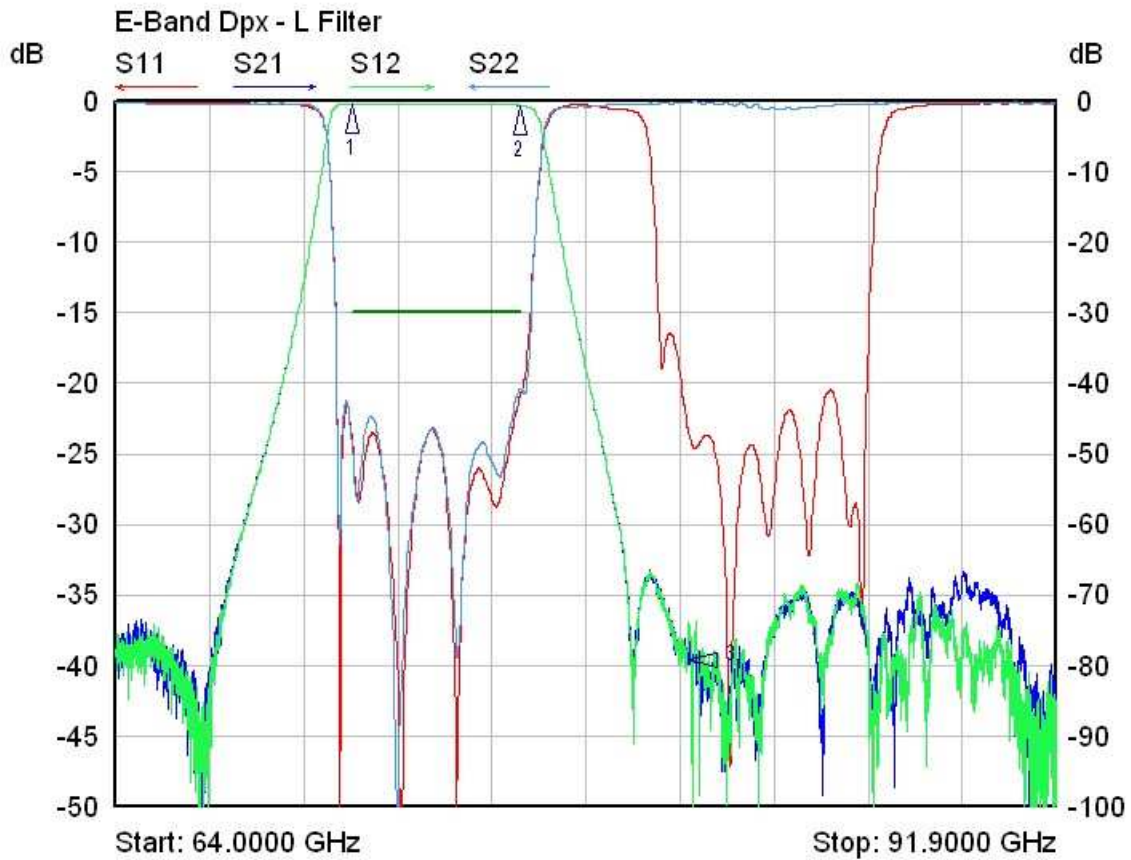


### Main Electrical & Mechanical Characteristics

Low Filter Bandwidth	71 – 76 GHz
High Filter Bandwidth	81 – 86 GHz
Diplexer Space	10 GHz
Isolation TX-RX	> 60 dB
Insertion Loss	< 0.7 dB
Return Loss	> 15 dB
Temperature Range	- 40 ÷ + 85 °C
Dimensions	89 x 20 x 19 mm
Connectors on all 3 Ports	Flanges WG26 R740 WR12

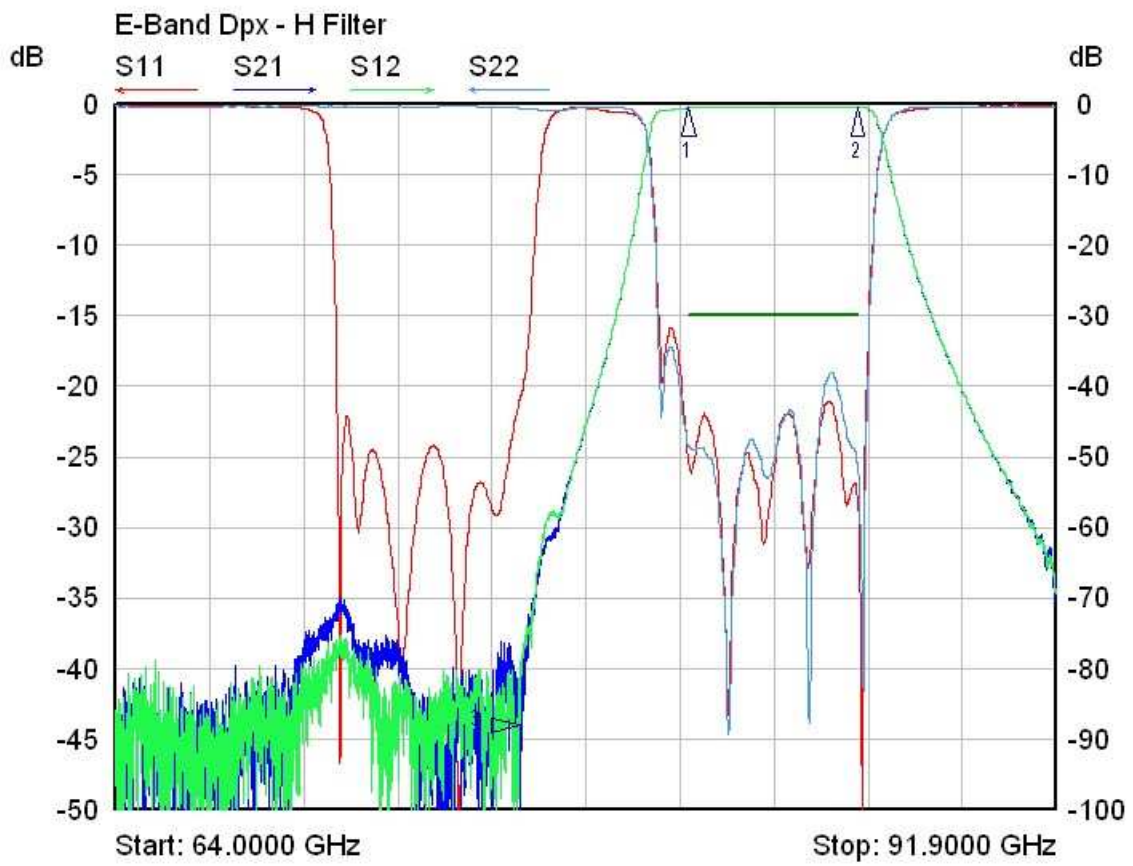
# Measured Frequency Response

Low Filter



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S21	71.0000 GHz	-0.47 dB	
2 ▾	S21	76.0000 GHz	-0.62 dB	
3 ▾	S21	81.0000 GHz	-79.20 dB	

# High Filter



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S21	81.0000 GHz	-0.56 dB	
2 ▾	S21	86.0000 GHz	-0.53 dB	
3 ▾	S21	76.0000 GHz	-87.91 dB	