



Features

- QV-band
- WR22 Waveguide Interface
- High power handling
- Low Insertion Loss, Low VSWR
- High out of band rejection

Applications

Test & Measurement

Satellite

Military and Space

Radar

Antenna Systems

Communication Systems

Description

QV-band waveguide triplexer is a wideband triplexer operating in the QV-band. The insertion loss of all three channels is less than 0.8 dB, the port VSWR is less than 1.3, and the in-band loss ripple is less than 0.3 dB. Both input and output ports adopt WR22 waveguide interface. The product features a compact overall design, and the positions of output ports can be partially adjusted according to requirements.

Technical Specifications

Parameters	Min.	Typ.	Max.	Units
Center Frequency	CH1:38.X	CH2:40.XX	CH3:47.X	GHz
Bandwidth	CH1:1.4	CH2:0.32	CH3:0.2	GHz
Insertion Loss			0.9	dB
Mutual isolation	60			dB
VSWR			1.3:1	
Input Power		50		W

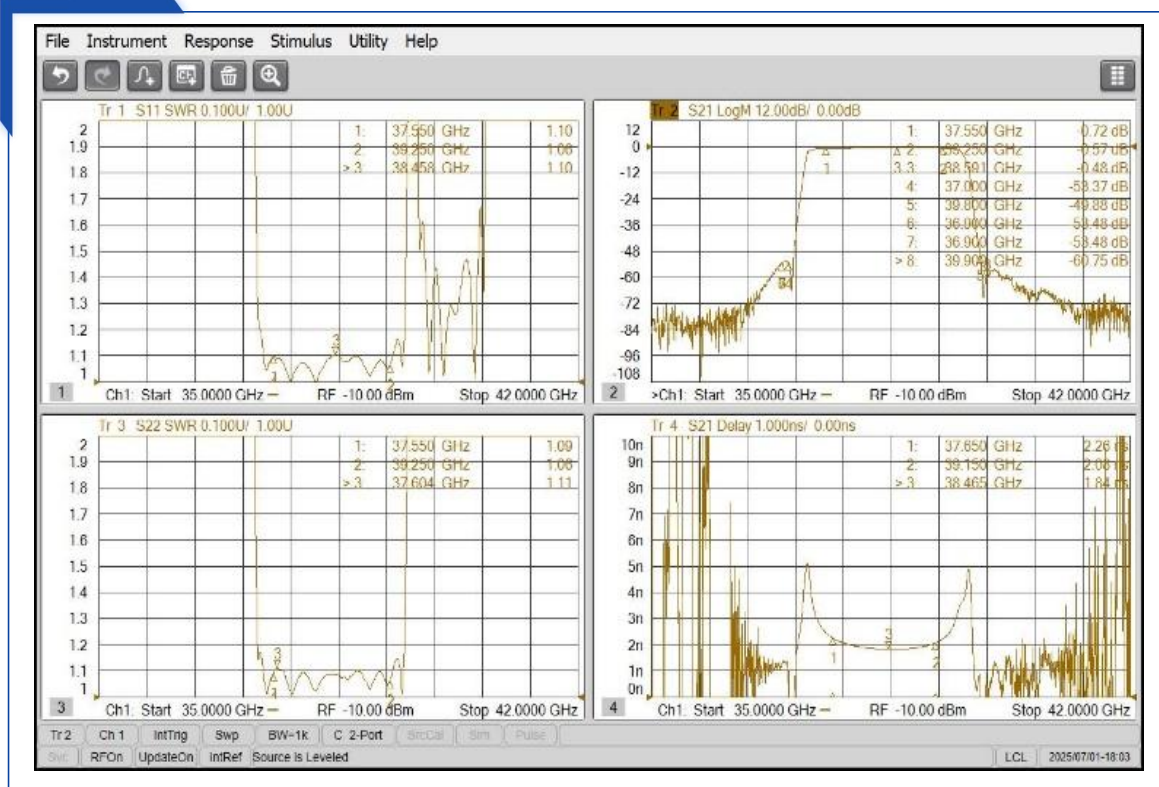


Parameters	Min.	Typ.	Max.	Units
Operating Temperature Range	-35		+70	°C
Main Body Material	Aluminum Alloy			
Surface Treatment	Sliver Plating			
Size	104*88*25.5			mm

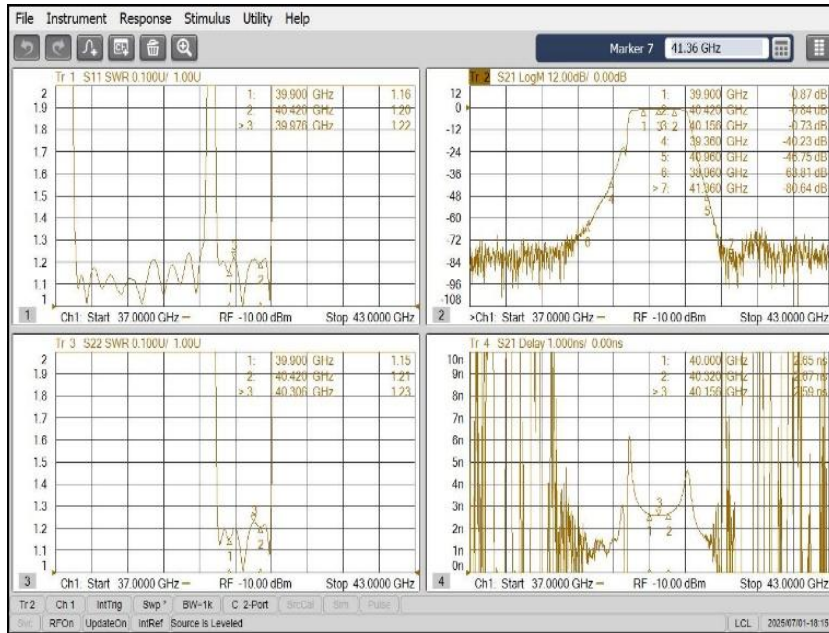
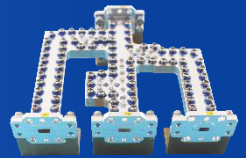
Notes:

Values at 25°C, sea level.

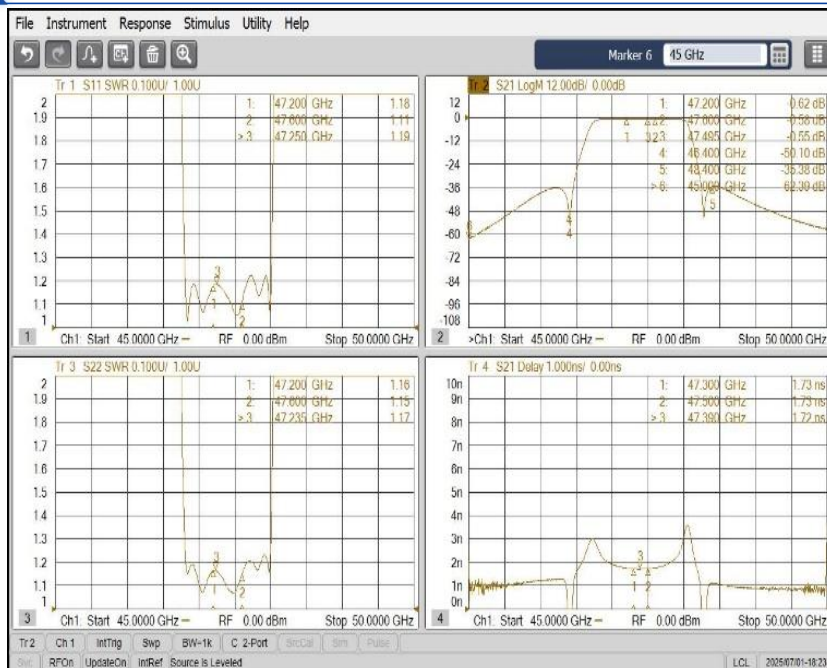
Typical Performances



CH1 Performance Test Curve



CH2 Performance Test Curve



CH3 Performance Test Curve

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