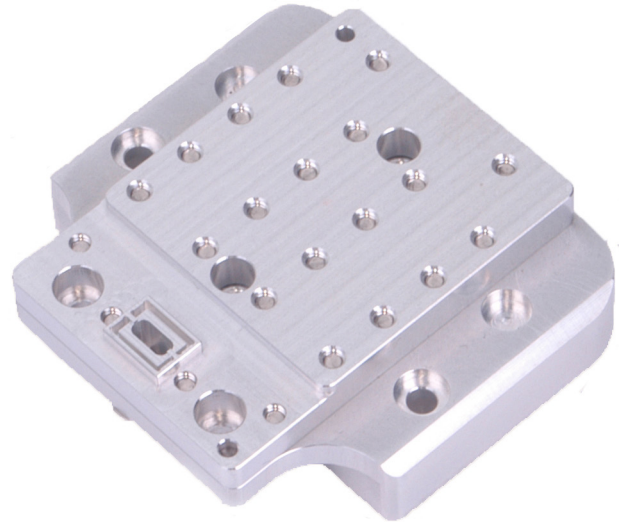




- **Models 49.9 GHz to 92 GHz**
- **Low loss**
- **Innovative compact design**
- **Tuning free**
- **Available in small & large quantities**
- **Standard and customised models**



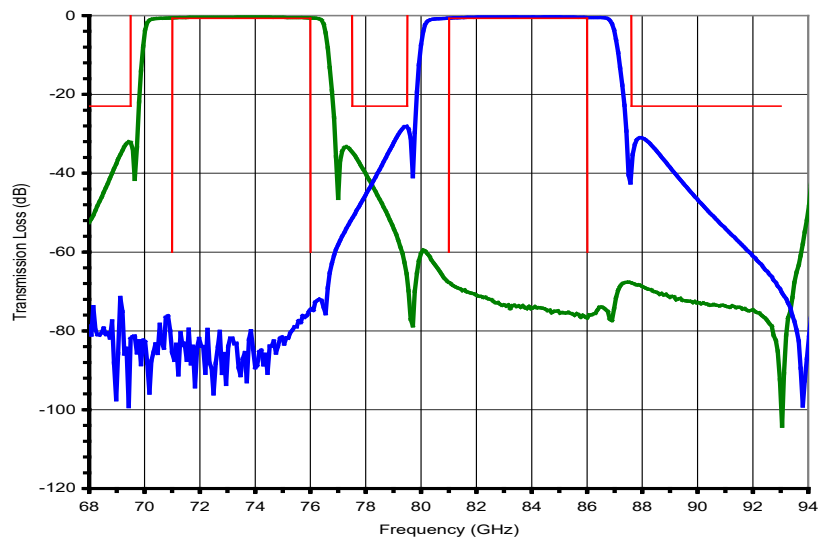
Model: 25286-5947

### Standard and Custom designed Diplexers for V Band (58 to 63 GHz) and E Band (71 to 76 GHz & 81 to 86 GHz)

Flann offer standard and special custom diplexers designed for the demanding millimeter wave applications at both V (58 to 63 GHz) and E (71 to 76 GHz and 81 to 86 GHz) bands.

Aluminium, Copper, Gold plate or Silver plate options are available depending on customer requirements requirements.

#### Typical Transmission Loss for Model 26286-AA



### Related Products

Series 810/820/850/880: Lens Horn Antennas

### Custom Design

Custom built instruments can be supplied; please contact the sales team for more information.

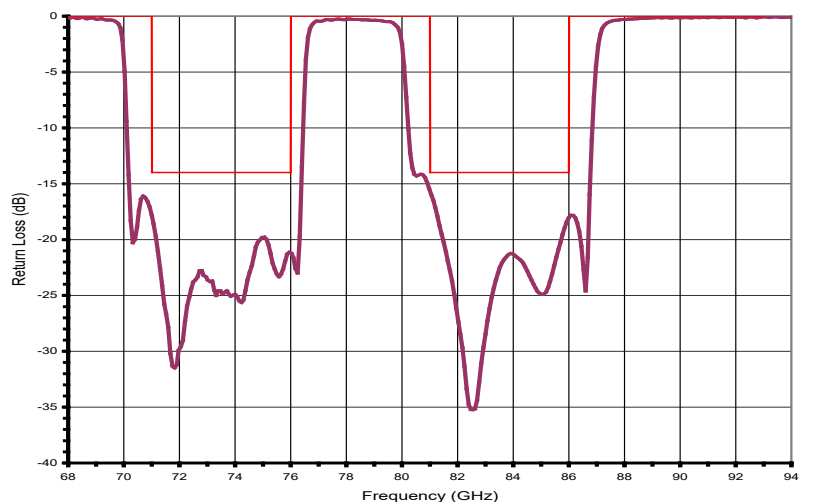
### Ordering

Please specify the following:

WG Designation	Series
25, 26	286

Example: 26286. A WG26 (WR12) 71-86GHz Diplexer.

#### Typical Return Loss for Model 26286-AA



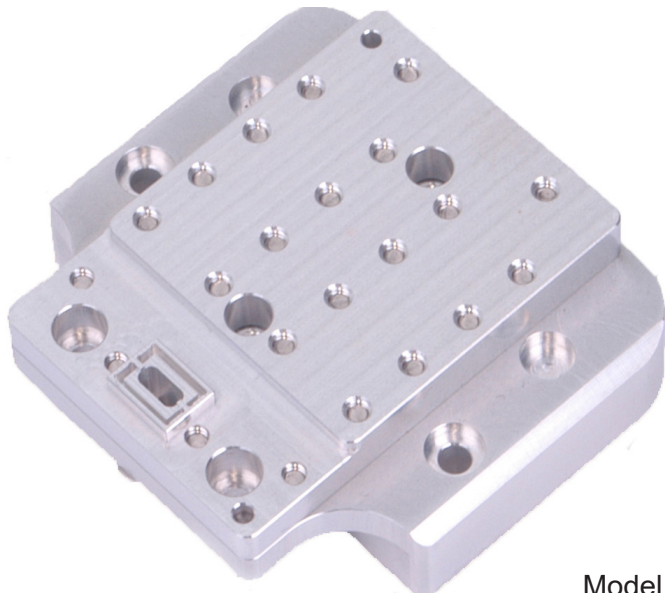


**Microwave Specifications**

The following specifications describe Diplexers designed and manufactured for specific applications in V-Band and E-Band and represent examples of customer specific requirements.

WG25/WR15 V-band Diplexer (25286-AA)		
Band port	Low	High
Frequency (GHz)	57.895-58.105	61.94-63.06
VSWR (max)	1.3	1.35
Insertion Loss (dB)	1.6	1.1
Group delay variation	580ps max	100ps max
Stop Band Rejection	20dB	
Operating temperature	-30° C to +70° C	
Flange types	UG-385/U	

WG26/WR12 E-band Diplexer (26286-AA)		
Band port	Low	High
Frequency (GHz)	71-76	81-86
VSWR (max)	1.5	
Insertion loss (dB)	0.7 max	
Amplitude variation	≤ 0.1 dB in any 150MHz Band	
Group delay variation	≤ 0.1 ns in any 150 MHz Band	
Isolation (dB)	≥63	
Rejection	>20 dB @ 1.5 GHz from passbands	
Operating temperature	-30° C to +70° C	
Flange types	UG-387/U	



Model 25286-5947



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