



FLANN MICROWAVE

Low PIM Waveguide to Coaxial Adapter Series 098

- Low PIM
- Models 1.72GHz to 40GHz
- Low VSWR
- Low Insertion loss
- Connector options include:
Type N
K Connector®
7-16 DIN
- Minimal junctions/surface materials
- Low Outgassing (TML <1% CVCH <0.1%)
- Grounded center conductor
- Precision Air Line Connector



Model: 12098-NF10 CPR187G

The Flann Series 098 Waveguide to Coaxial Adapters have been designed and constructed to provide optimally low levels of Passive Intermodulation (PIM).

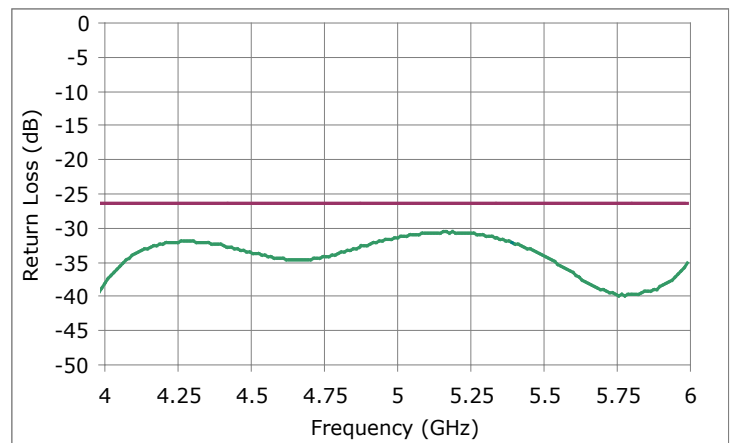
Standard connector types include:
Type N, K Connector® and 7-16 DIN.

For High Power Models please see Series 097

Related Products

Series 377/378: High Power/ Low PIM End Launch Adapters
097: High Power Right Angle Adapters
101: High Power Terminations

Typical Return Loss for Model 12098-NF10



Custom Design

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

Ordering

Please specify the following:

WG Designation	Series	-	Coax Connector	Gender	XX	Flange
08 - 22	098		N, K, D	F (Female) or M (Male)	D & N = 10 K = 20	See flann.com

Example: 17098-NF10 UBR120 A WG17 (WR75) Low PIM Waveguide to Coax Adapter with N-type female coax connector with UBR120 flange



Microwave Specifications

Waveguide Designation			Frequency (GHz)	Coaxial Connector Options			VSWR max	Insertion Loss max (dB)
WG	R	WR		D	N	K		
8	22	430	1.72 - 2.61	•			1.10	0.10
9A	26	340	2.17 - 3.30	•				
10	32	284	2.60 - 3.95	•	•			
11A	40	229	3.22 - 4.90	•	•			
12	48	187	3.94 - 5.99	•	•			
13	58	159	4.64 - 7.05	•	•		0.12	
14	70	137	5.38 - 8.18		•	•	1.12	0.15
15	84	112	6.58 - 10.0		•	•		
16	100	90	8.20 - 12.5		•	•		
17	120	75	9.84 - 15.0		•	•		
18	140	62	11.9 - 18.0		•	•		
19	180	51	14.5 - 22.0			•	1.17	0.20
20	220	42	17.6 - 26.7			•		
21	260	34	21.7 - 33.0			•		
22	320	28	26.4 - 40.1			•	1.20	

Construction:

- Aluminium + Chromate Passivation _____
- Aluminium + Chromate Passivation _____
- Brass + Gold Plate _____

Connector Type	Flann Designation
7-16 DIN	D
Type N	N
K Connector® (2.92 mm)	K

Environmental Specifications

- Operating Ambient Temperature Range: -30°C to 70°C
- Non-operating Ambient Temperature Range: -40°C to 80°C
- TML (Total Mass Loss) <1%
- CVCM (Collected Volatile Condensable Mass) <0.1%

K Connector® is a registered trademark of the Anritsu Company

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