

Features

- Low PIM
- 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
- Models 1.72 GHz to 40 GHz



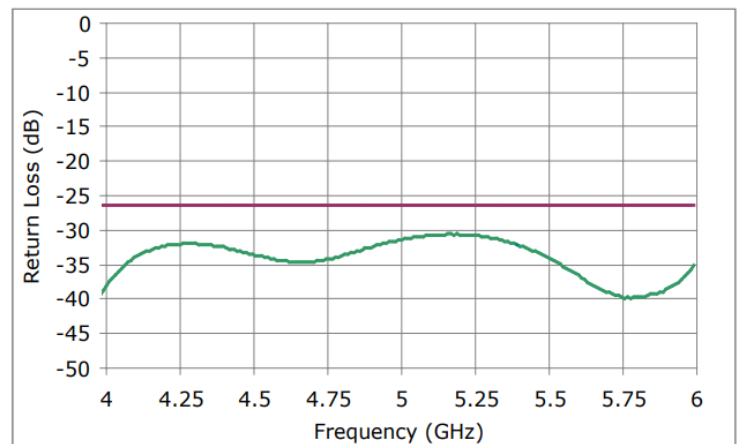
Model 12098-NF10

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



Typical Return Loss for Model 12098-NF10

Related Products

Series 377/378: High Power/Low PIM End Launch Adapters

Series 097: High Power Right Angle Adapters

Series 101: High Power Terminations

Custom Design

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

Ordering Information

WG designation	Series	-	Coax Connector	Gender	XX	Flange
WG8 – WG22	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

FLANN MICROWAVE LTD

Dunmere Road
Bodmin
Cornwall
PL31 2QL

GET IN TOUCH

Tel: +44 (0)1208 77777
sales@flann.com
www.flann.com



Specifications

Waveguide			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 Specification

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 trademark of the Anritsu Company