



# FLANN MICROWAVE

## High Power Waveguide to Coaxial Adapter

### Series 097

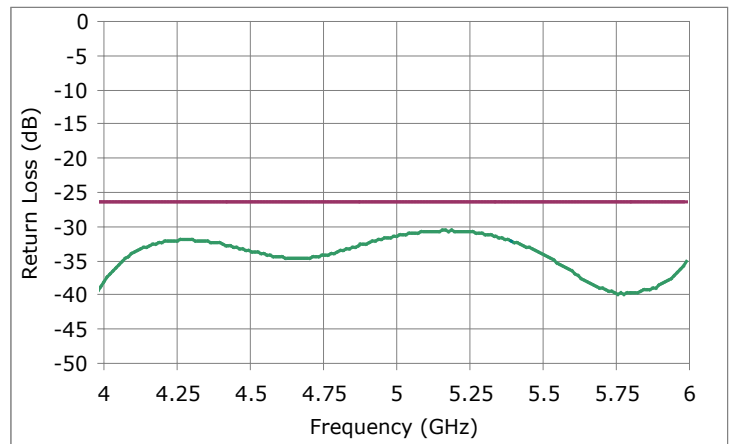
- High Power
- Models 1.72 GHz to 67 GHz
- Low VSWR
- Low Insertion loss
- Connector options include:
  - 7-16 DIN
  - Type N
  - 2.92mm (K - Type)
  - ® 1.85mm (V-Type)
- Low Outgassing option (TML/RML<1% CVCM <0.1%)
- Grounded center conductor
- Precision Air Line Connector
- All metal construction (no dielectric support bead)



The Flann Series 097 Waveguide to Coaxial Adapters have been designed and constructed to give continuous metal paths to minimise heat build up. Standard connector types include: 7-16 DIN, Type N, K Connector and ® 1.85mm (V - Type )

For Low PIM Models please see Series 098

Typical Return Loss for Model 12097-NF10



### Related Products

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

### 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 - 25	097		D N, K, & V	F (Female) or M (Male)	D & N = 10 K = 20	See flann.com

Example: 17097-NF10 UBR120 A WG17 (WR75) High Power Waveguide to Coax Adapter with N-type female coax connector with UBR120 flange



#### Microwave Specifications

Connector	7-16 DIN (16.05mm)			N Type (7.0mm)			K Type (2.92mm)			V Type (1.85mm)		
WG	VSWR	IL	POWER	VSWR	IL	POWER	VSWR	IL	POWER	VSWR	IL	POWER
		(dB)	(kW)		(dB)	(kW)		(dB)	(kW)		(dB)	(kW)
6	1.10	0.02	3.2	1.10	0.05	1.40						
8	1.10	0.03	2.6	1.10	0.05	1.10						
9A	1.10	0.04	2.3	1.10	0.05	1.00						
10	1.10	0.05	2.1	1.10	0.07	0.90						
11A	1.10	0.10	1.9	1.10	0.10	0.80						
12	1.10	0.10	1.7	1.10	0.10	0.75						
13				1.10	0.10	0.70						
14				1.10	0.10	0.60	1.12	0.05	0.110			
15				1.10	0.10	0.55	1.12	0.06	0.100			
16				1.10	0.12	0.50	1.12	0.07	0.090			
17				1.10	0.15	0.45	1.12	0.08	0.080			
18				1.12	0.15	0.40	1.12	0.10	0.075			
19							1.17	0.12	0.065			
20							1.17	0.15	0.060			
21							1.20	0.17	0.055			
22							1.20	0.20	0.050			
23										1.30	0.35	0.035
24										1.30	0.45	0.032
25										1.30	0.50	0.030
Construction	Aluminium + Silver Plate			Aluminium + Silver Plate			Brass + Silver Plate			Brass + Gold Plate		

#### 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 % For outgassing option
CVCM (Collected Volatile Condensable Mass)	<0.1 % For outgassing option

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