



12MP50NM75NF and 12MP50NF75NM Impedance Matching Pad Specifications



Revision 26.00 18.09.2026

Hardware Specifications

12MP50NM75NF

*This data is preliminary and is subject to change at any time.

Material & Finishing

Body	Stainless steel TYPE 303, Passivated
Insulator	PTFE
Center conductor	Beryllium Copper with Gold Plating

Electrical Data

Max input power	2 watts avg @ +25°C
Impedance	50 Ohms & 75 Ohms
Frequency	DC - 12 GHz
Return loss at 50 Ohm port	
DC - 3 GHz	≥ 27 dB
3 GHz - 8 GHz	≥ 24 dB
8 GHz - 12 GHz	≥ 18 dB
Return loss at 75 Ohm port	
DC - 3 GHz	≥ 22 dB
3 GHz - 8 GHz	≥ 21 dB
8 GHz - 12 GHz	≥ 15 dB
Insertion loss	
DC - 3 GHz	≤ 5.7 + 0.5 dB
3 GHz - 8 GHz	≤ 5.7 + 1.3 dB

Mechanical Data

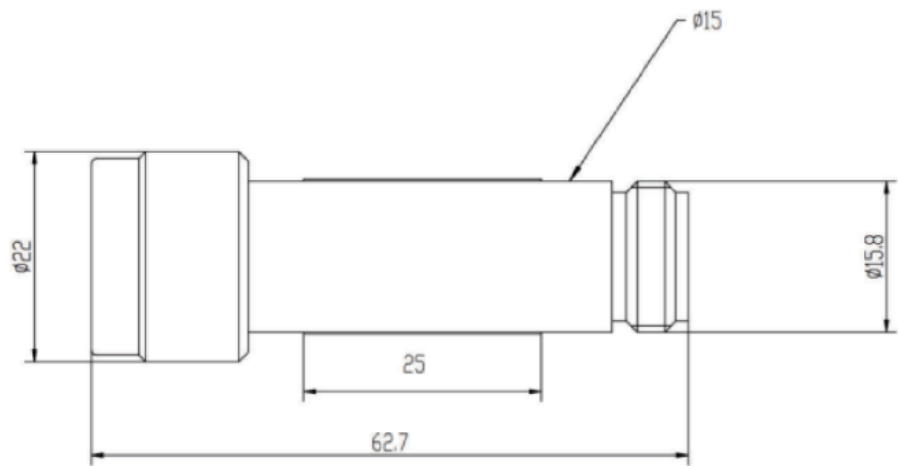
Durability	500 mating cycle min.
------------	-----------------------

Environmental Data

Temperature range	-40 - +125°C
-------------------	--------------

All materials are RoHs compliant.

12MP50NM75NF and 12MP50NF75NM Impedance Matching Pad Specifications



Typical S-parameter data

