

Microwavefilters® &

Microwave components for telecommunication systems

Circular Waveguide Load

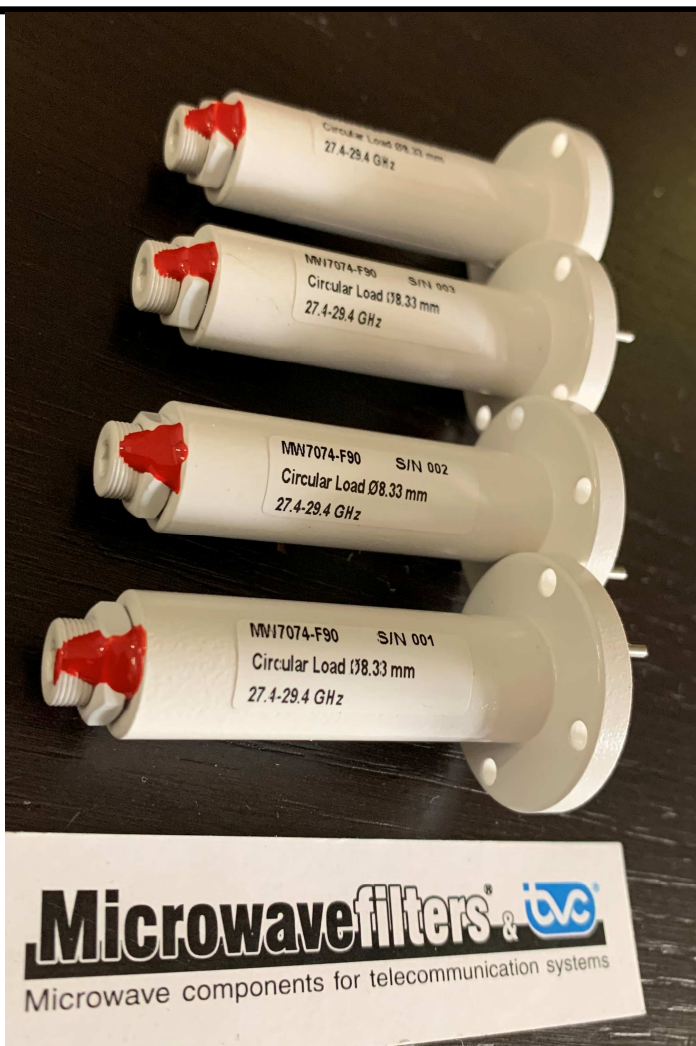
$\varnothing = 8.33 \text{ mm}$
(IEC C255,
EIA WC33)

Bandwidth

27.4 ÷ 29.4 GHz

VSWR

1.065: 1 max.



Microwavefilters & TVC srl

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MW&TVC presents a new circular waveguide load for Ka-Band applications (27.4 ÷ 29.4 GHz).

It can be used for laboratory measurements, for example to terminate a circular waveguide port of an OMT and measure the isolation between the vertical and the horizontal polarization.

As far as we know, MW&TVC is the only manufacturer at present to supply such a load.

Circular Load Characteristics

MW&TVC P/N

Waveguide Designation

Inner Diameter

Bandwidth

VSWR

Material

Finishing

Flange Type

MW7074-F90

IEC C255 – EIA WC33

Ø 8.33 mm

27.40 ÷ 29.40 GHz

1.065: 1 max.

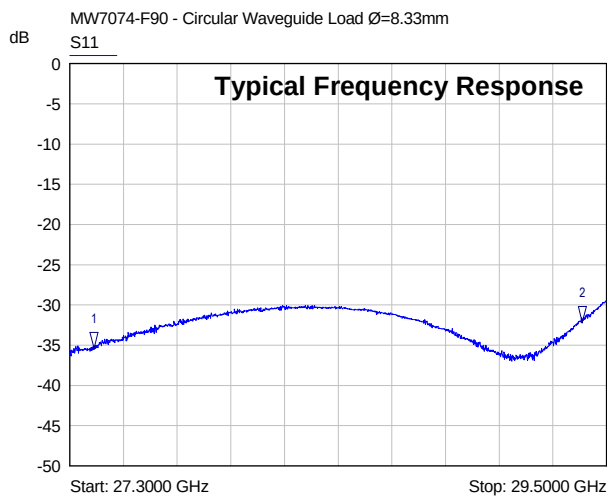
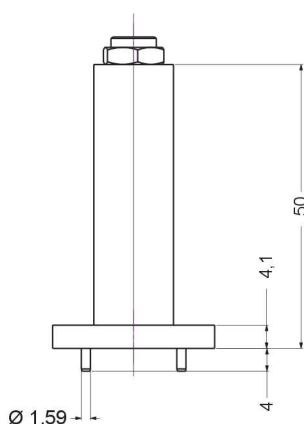
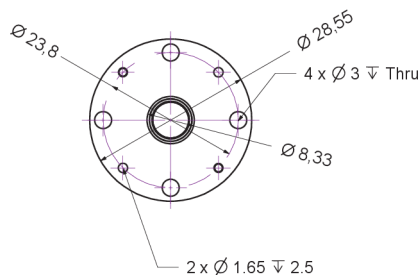
(equivalent to RL ≥ 30 dB)

Brass

Silver-plating + RAL9003 (white) paint

UG-383/U Compatible

Mechanical Outline



Mkr	Trace	X-Axis	Value	Notes
1	S11	27.4000 GHz	-35.35 dB	
2	S11	29.4000 GHz	-32.18 dB	

