

Microwavefilters® &

Good Isolation & VSWR
Bandwidth 7.0 ÷ 8.5 GHz
Flat Response & Low Loss



3-dB Waveguide Coupler (Splitter) In R84 (WR112)

Microwavefilters & TVC srl

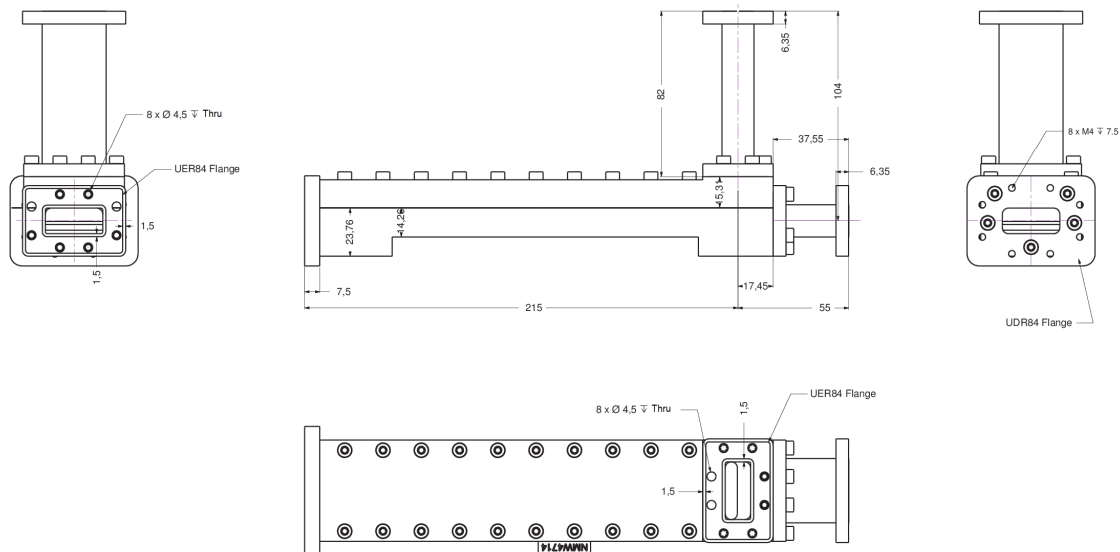
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Microwavefilters &TVC has developed a new family of waveguide directional couplers, with 3 dB and 6 dB couplings, which can be used as dividers for indoor branching systems, among other things. This family is characterized by its wide and flat frequency response, good VSWR, isolation and low loss.

Main Electrical & Mechanical Characteristics

Part Number	NMW4714
Coupling factor	3.2 dB (± 0.3 dB)
Primary line loss	3.2 dB (± 0.3 dB)
Frequency range	7.1 ÷ 8.5 GHz
VSWR (Return Loss)	1.12:1 max. (≥ 25.0 dB)
Isolation	≥ 25 dB
Intermodulation	≤ 148 dBc, 2 input tones of 36 dBm
Waveguide	WR112 (R84)
Input / Output Ports	UDR84 Flange on Antenna Port with M4 threaded holes and UER84 Flanges on primary and secondary ports
Operating Temperature Range	-40 ÷ +70 °C
Dimensions	270.0 x 126.3 x 63.5 mm



Typical Frequency Responses

