

WR430 Cross-guide Couplers



Coupling Factor 40 dB
With Pressure Inlet available

Microwavefilters & TVC srl

Via G. Cavalcanti, 10 - 20063 Cernusco s/N (MI) - ITALY
Tel. +39-02-92162703 Fax. +39-02-92162705

info@mw-tvc.com www.mw-tvc.com

Microwavefilters&TVAC has developed a WR430 cross-guide coupler with a 40dB coupling factor. Pressure inlet is available upon request.

The frequency range is 2.0÷2.1 GHz.

This coupler is characterized by its wide and flat frequency response, good VSWR, isolation and low loss.

Main Electrical & Mechanical Characteristics

Frequency Range: 2.0 ÷ 2.05 GHz

VSWR: 1.1: 1 max. (**Return Loss:** ≥ 26.4 dB)

Coupling Factor: 40 dB ± 0.5 dB (**product code** RW-CG02033-F40)

Frequency Sensitivity: ± 1.0 dB max.

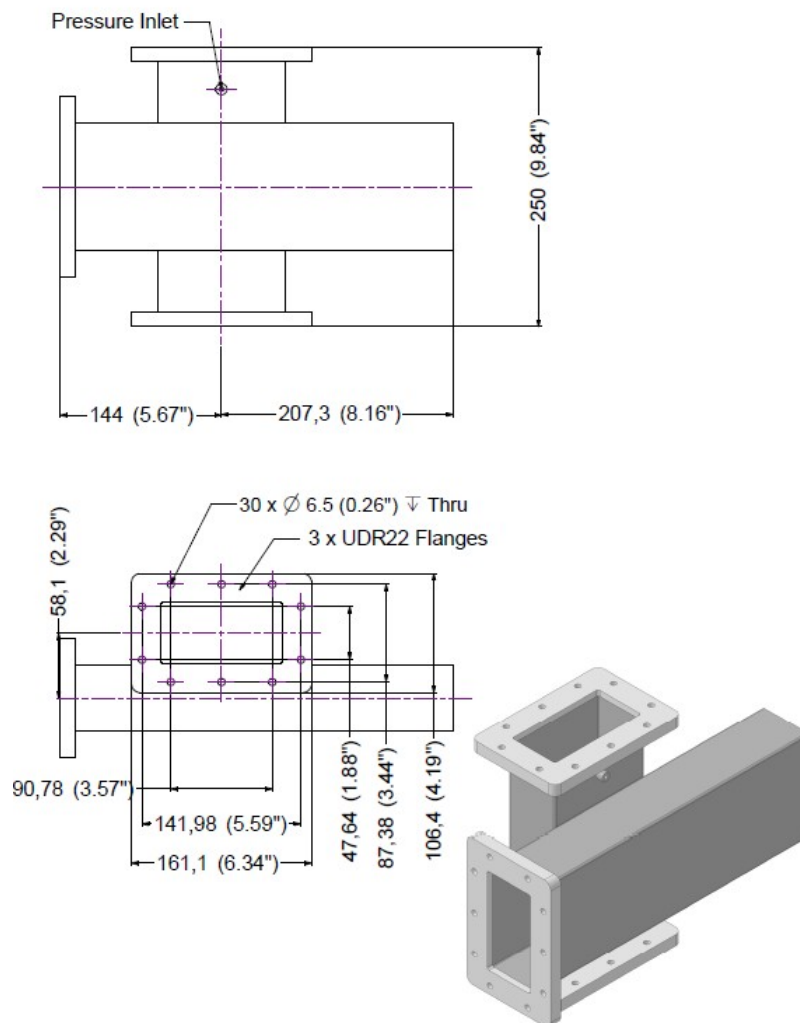
Waveguide Type: W430 – R22

Input/Output Ports: 3 x UDR22 Flanges

Material: Copper Alloy

Internal Finish: Silverplating

External Finish: Painting RAL 9005 Black Enamel



Typical Frequency Responses



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S21	2.0250 GHz	-39.18 dB	
2 ▽	S21	2.0400 GHz	-39.24 dB	

