

Good Isolation & VSWR
Wide Band (5.7 ÷ 7.1 GHz)
Flat Response & Low Loss



6-dB Waveguide Coupler In R70 (WR137)

Microwavefilters & TVC srl

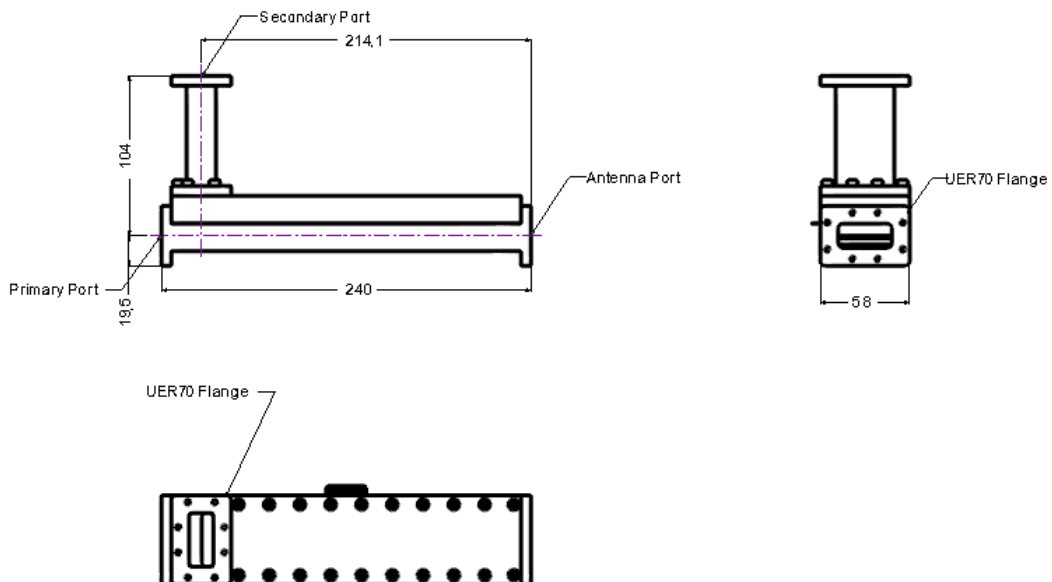
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Microwavefilters &TVC has developed a new family of waveguide directional couplers, with 3 dB and 6 dB couplings, which can be used as dividers for indoor branching systems, among other things. This family is characterized by its wide and flat frequency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

Main Electrical & Mechanical Characteristics

Part Number	MW-C06400-FFFT
Coupling factor	6 dB (± 0.7 dB)
Primary line loss	≤ 1.6 dB
Frequency range	5.7 ÷ 7.1 GHz
VSWR (Return Loss)	1.12:1 max. (≥ 25.0 dB)
Isolation	≥ 30 dB
Intermodulation	≤ 148 dBc, 2 input tones of 36 dBm
Waveguide	WR137 (R70)
Input / Output Ports	UER70 on all 3 Ports with M4 threaded holes
Operating Temperature Range	-40 ÷ +70 °C
Dimensions	240 x 123.5 x 58 mm



Typical Frequency Responses

