

Directional Coupler Series



Good Directivity & VSWR
Wide Band (698 - 2700 MHz)
Flat Response & Low Loss

Microwavefilters & TVC srl

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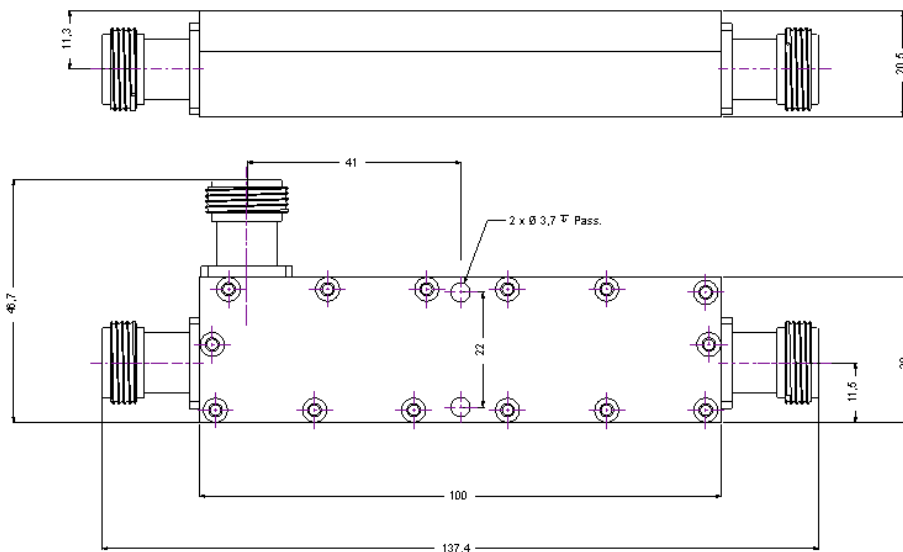
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Microwavefilters &TVC has developed a new family of coaxial directional couplers, with coupling from 6 dB to 20 dB, which can be used as unequal dividers for indoor DAS systems, among other things. This family is characterized by its wide and flat frequency response, good VSWR, directivity and loss.

Electrical Characteristics

Bandwidth	698 ÷ 2700 MHz
Impedance	50 Ω
Operating Temperature Range	-20 ÷ +70 °C
VSWR (Return Loss)	≤ 1.25 (≥ 19.0 dB)
Coupling factors	6dB (± 0.6 dB), 10 dB (± 0.8 dB) & 20 dB (± 0.9 dB)
Directivity	≥ 19 dB
Power	50 W, Average
Dimensions	100 x 28 x 20.5 mm (without connectors)
Input / Output Connectors	N-Female

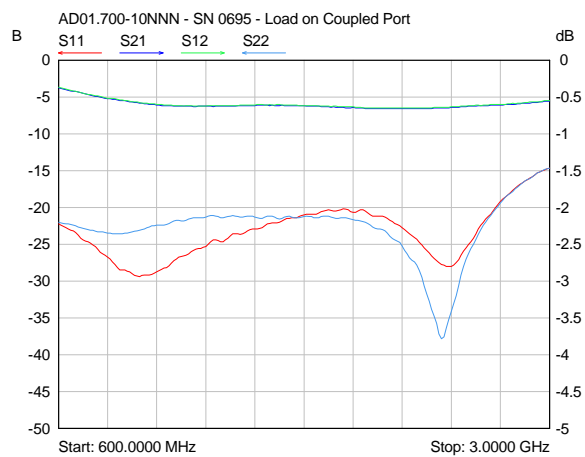
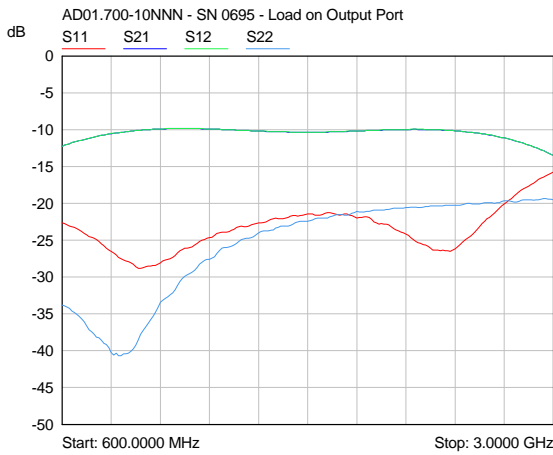
(Other connector arrangements are possible upon request)
P/N is AD01.700-xxNNN, where 'xx' is '06', '10' or '20' depending on the coupling factor.



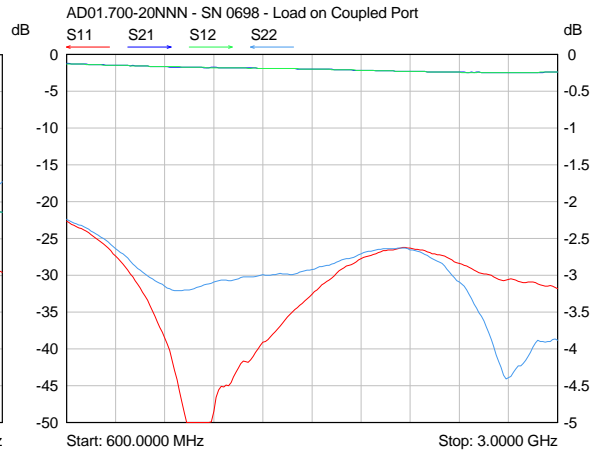
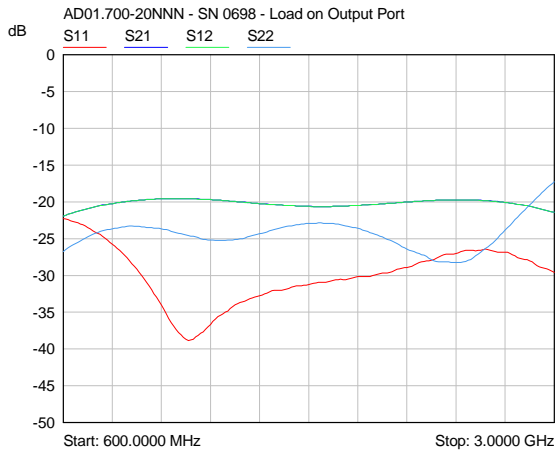
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Frequency Responses

10-dB Coupling



20-dB Coupling



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