



UHF 8 WAYS ACTIVE RECEIVER MULTICOUPLER

450 ÷ 482 MHz, Vdc

T13061401

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PMR

Electrical Specifications

Frequency Band (MHz)	450 ÷ 482
Impedance (Ω)	50
Nr. of outputs	8
Nr. of antenna ports	1
Nr. of power supply ports (230 Vac optional)	1
Return Loss (all ports) (dB)	≥ 15
Max Absolute Input Power (dBm)	$\leq +20$
Power supply (V_{DC}) with max current supply : 200mA	12 ÷ 32
Noise figure (dB)	≤ 4
Gain (dB)	$> 4 \pm 1.5$
Isolation (dB) between any 2 outputs	≥ 20
OIP _{1dB} (dBm)	≥ 8
OIP 3rd order (dBm)	≥ 25
Operation Temp. Range ($^{\circ}C$)	$-20^{\circ} \div +50^{\circ}$
Storage Temp. Range ($^{\circ}C$)	$-40^{\circ} \div +70^{\circ}$
Operation Humidity Range ($^{\circ}C$)	5% ÷ 90%
Storage Humidity Range ($^{\circ}C$)	100%
Protection	IP 20

DESCRIPTION

This receiver multicoupler allows to connect up to 8 channels to one common antenna in the 450 ÷ 482 MHz band.

The low noise figure [≤ 4 dB] and excellent intermodulation properties guarantee a high dynamic range and thereby enhanced receiving conditions. This is particularly significant in locations where transmitters are operated nearby.

Unused output ports should always be terminated with 50 Ohm loads to preserve gain flatness and specified inter-port isolation.



Mechanical Specifications

Connectors	N f
Dimensions (mm)	19" x 1U x 385
Weight (Kg)	3.4

Electric Schematic

