

Datasheet

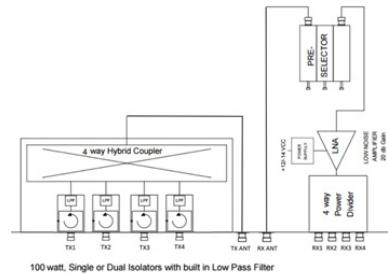
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HCMR450-4

Hybrid 4 channel UHF TX/RX Combiner

HCMR450-4 series are a combined UHF TX/RX hybrid combiner with single or dual isolators used with two antennas, one RX and one TX or to be used with external duplix filter.

- Standard EIA19" tray, 400 mm (2HU).
- Tuned to customer specified frequencies.
- Built-in low pass filter.
- Max power 100W as standard.



ELECTRICAL SPECIFICATIONS

Type	Hybrid 4 channel UHF TX/RX Combiner
Frequency	T: 380 - 420 MHz L: 400- 440 MHz H: 440 - 475 MHz
VSWR	$\leq 1.5:1$
Impedance	50 Ohm
Max. Input Power	100 Watts (per channel)
Insertion Loss (TX)	Single Isolator: < 7.8 dB Dual Isolator: < 8.1 dB
Isolation TX - TX	Single Isolator: > 50 dB Dual Isolator: > 70 dB
Isolation RX-RX	>20 dB
Bandwidth (RX)	Approx. 5 MHz (Adjustable in band)
Gain	RX: 20 ± 1.0 dB
LNA Noise Figure	< 2.0 dB
Power Supply	100-240 V; 50/60 Hz (Max. 7W)

MECHANICAL SPECIFICATIONS

Color	Black gray (RAL7021)
Dimension	482.6 x 89.0 x 400 mm (W x H x L)
Weight	HCMR450-4S: 7.0 kg HCMR450-4D: 7.8 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

55440-003T	HCMR450-4ST 380-420 MHZ 4CH x 100 W Single Isolator 2HU
55440-103T	HCMR450-4DT 380-420 MHZ 4CH x 100 W Dual Isolator 2HU
55440-003L	HCMR450-4SL 400-440 MHZ 4CH x 100 W Single Isolator 2HU
55440-103L	HCMR450-4DL 400-440 MHZ 4CH x 100 W Dual Isolator 2HU
55440-003H	HCMR450-4SH 440-475 MHZ 4CH x 100 W Single Isolator 2HU
55440-103H	HCMR450-4DH 440-475 MHZ 4CH x 100 W Dual Isolator 2HU
Note	Power cable is not included