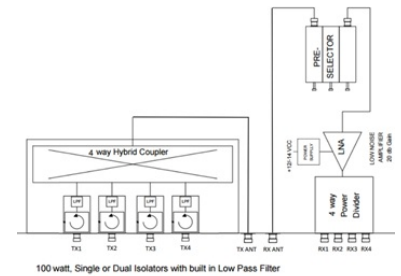


HCMR450-4

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 duplex filter.

- Standard EIA 19" tray, (3HU).
- Tuned to customer specified frequencies.
- Built-in low pass filter.
- Full bandwidth.
- Max power 100W as standard.



ELECTRICAL SPECIFICATIONS

Type	UHF TX/RX Hybrid Combiner - 4 Channels
Frequency	400 - 475 MHz
VSWR	≤ 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)

Datasheet

2 / 2

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

55440-003	HCMR450-4S 400-475 MHZ 4CH x 100 W Single Isolator
55440-103	HCMR450-4D 400-475 MHZ 4CH x 100 W Dual Isolator
Note	Power cable is not included