

HCMR150-4

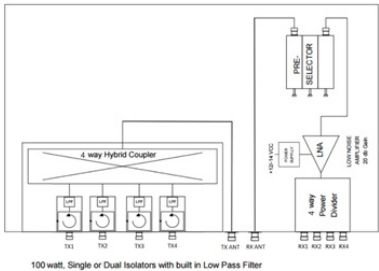
Hybrid 4 channel VHF TX/RX Combiner

HCMR150-4 series is a combined VHF TX/RX hybrid combiner with single or dual isolators used with two antennas, one for RX and one for TX or to be used with external duplex filters.

- Standard EIA 19" tray, 500 mm (3HU).
- Tuned to customer specified frequencies.
- Built-in low pass filter.
- Max power 100 W as standard.

ELECTRICAL SPECIFICATIONS

Type	VHF TX/RX Hybrid Combiner - 4 Channels
Frequency	L: 134-155 MHz H: 155-175 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. 3 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

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	482.6 x 133.5 x 500 mm (W x H x L)
Weight	HCMR150-4S: 8.0 kg HCMR150-4D: 9.6 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

55140-003L	HCMR150-4SL 134-155 MHZ 4CH x 100 W Single Isolator
55140-103L	HCMR150-4DL 134-155 MHZ 4CH x 100 W Dual Isolator
55140-003H	HCMR150-4SH 155-175 MHZ 4CH x 100 W Single Isolator
55140-103H	HCMR150-4DH 155-175 MHZ 4CH x 100 W Dual Isolator
Note	Power cable is not included