

HCMR150-3/CR

Hybrid 3 channel VHF TX/RX Combiner

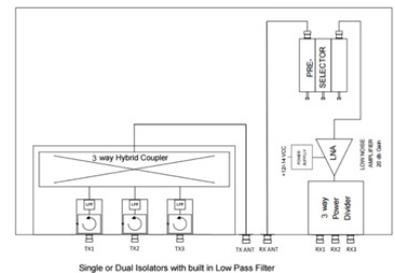
HCMR150-3 series is a VHF TX/RX hybrid combiner with single or dual isolators used with two antennas, one RX and one TX or to be used with external duplex filter.

- Standard EIA 19" tray, 400 mm depth and 2HU in a closed cabinet.
- Comes with an integrated power indicating light emitting diode (LED)
- Integrated power supply, 100-240 VAC; 50/60 Hz
- Tuned to customer specified frequencies, needs to be specified when ordering
- Option: Redundant power supply can be provided!



ELECTRICAL SPECIFICATIONS

Type	Hybrid VHF TX/RX Combiner - 3 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: < 6.1 dB Dual Isolator: < 6.4 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)
LNA Gain	RX: 20±1.0 dB
LNA Noise Figure	< 2.0 dB
Power Supply	100-240 V; 50/60 Hz (Max. 7W)



Datasheet

2 / 3

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	484 x 89 x 423 mm (W x H x L)
Weight	HCMR150-3S: 8.2 kg HCMR150-3D: 9.5 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

55130-003L/CR	HCMR150-3SL 134-155 MHZ 3CH x 100 W Single Isolator
55130-103L/CR	HCMR150-3DL 134-155 MHZ 3CH x 100 W Dual Isolator
55130-003H/CR	HCMR150-3SH 155-175 MHZ 3CH x 100 W Single Isolator
55130-103H/CR	HCMR150-3DH 155-175 MHZ 3CH x 100 W Dual Isolator
Note	Power cable is not included

