

Datasheet

# HCMR150-3

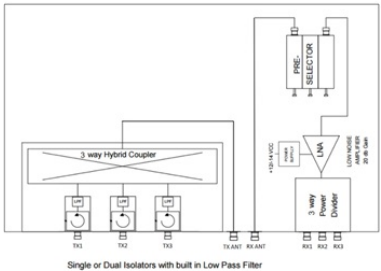
## Hybrid 3 channel VHF TX/RX Combiner

HCMR150-3 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 filter.

- 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 - 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)
Gain	RX: 20±1.0 dB
LNA Noise Figure	< 2.0 dB
Power Supply	100-240 V; 50/60 Hz (Max. 7W)



Single or Dual Isolators with built in Low Pass Filter

Datasheet

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	482.6 x 133.5 x 500 mm (W x H x L)
Weight	HCMR150-3S: 7.1 kg HCMR150-3D: 8.3 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

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