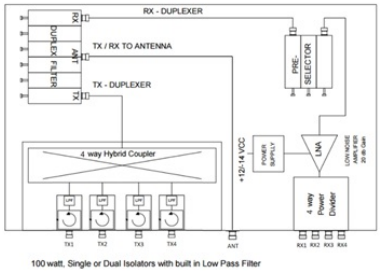
HCMR150-4-DUPT

Hybrid 4 channel VHF TX/RX Combiner and Duplex Filter HS

HCMR150-4-DUPT series is a VHF TX/RX hybrid combiner and duplexer with single or dual isolators used for combining 4 VHF transceivers into one antenna with close frequency spacing.

- Standard EIA 19" trays.
  - Two of 2HU, 400 mm depth
  - One of 1HU, 300 mm depth
- Tuned to customer specified frequencies, need to be specified when ordering.
- Full bandwidth.
- 100 W power handling.
- Combiner with high spec. external duplexer.



100 watt, Single or Dual Isolators with built in Low Pass Filter

ELECTRICAL SPECIFICATIONS

Type	Hybrid 4 channel VHF TX/RX Combiner and Duplex Filter HS
Frequency	144 - 162 MHz 158 - 175 MHz
VSWR	≤ 1.5:1
Impedance	50 Ohm
Max. Input Power	100 Watts (Per channel)
Insertion Loss (TX)	Single isolator: < 8.6 dB Dual isolator: < 8.9dB
TX-TX spacing	DUPT-5: ≤ 1.5 MHz DUPT-10: ≤ 2.0 MHz
TX-RX spacing	DUPT-5: 4 - 7 MHz DUPT-10: 8 -12 MHz
Isolation RX-TX	TX-TX spacing <0.4 MHz :> 90dB TX-TX spacing <2.0 MHz :> 70dB
Isolation TX-RX	RX-RX spacing <0.4 MHz :> 90dB RX-RX spacing <2.0 MHz :> 70dB
Isolation TX - TX	Single isolator: > 50 dB Dual isolator: > 70 dB
Isolation RX-RX	>20 dB
Bandwidth (RX)	Approx. 3 MHz (in band)
Gain	RX: 20±1.0 dB
LNA Noise Figure	< 2.0 dB
Power Supply	100-240 V; 50/60 Hz (Max. 7W)

Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	Two units: 482.6 x 89.0 x 400 mm (W x H x L) One unit: 482.6 x 44.5 x 300 (W x H x L)
Weight	Single isolator: 10.3 kg Dual isolator: 11.9 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

55142-113	HCMR150-4S-L-5-150 144-162 MHZ 4CH x 100 W Single Isolator + DUPT-5 2 x 2HU + 1 x 1HU
55144-123	HCMR150-4S-L-10-150 144-162 MHZ 4CH x 100 W Single Isolator + DUPT-10 2 x 2HU + 1 x 1HU
55142-133	HCMR150-4S-H-5-150 158-175 MHZ 4CH x 100 W Single Isolator + DUPT-5 2 x 2HU + 1 x 1HU
55144-143	HCMR150-4S-H-10-150 158-175 MHZ 4CH x 100 W Single Isolator + DUPT-10 2 x 2HU + 1 x 1HU
55142-153	HCMR150-4D-L-5-150 144-162 MHZ 4CH x 100 W Dual Isolator + DUPT-5 2 x 2HU + 1 x 1HU
55144-163	HCMR150-4D-L-10-150 144-162 MHZ 4CH x 100 W Dual Isolator + DUPT-10 2 x 2HU + 1 x 1HU
55142-173	HCMR150-4D-H-5-150 158-175 MHZ 4CH x 100 W Dual Isolator + DUPT-5 2 x 2HU + 1 x 1HU
55144-183	HCMR150-4D-H-10-150 158-175 MHZ 4CH x 100 W Dual Isolator + DUPT-10 2 x 2HU + 1 x 1HU
Note	Power cable not included

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