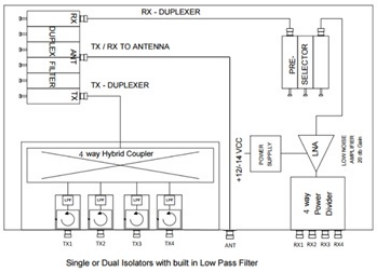
HCMR450-4-DU

Hybrid 4 channel UHF TX/RX Combiner and Duplex Filter

HCMR450-4-DU series is a UHF TX/RX hybrid combiner and duplexer with single or dual isolators used for combining 4 UHF transceivers into one antenna with close frequency spacing.

- Standard EIA 19" tray, 500 mm depth (3HU).
- Tuned to customer specified frequencies, need to be specified when ordering.
- Full bandwidth.





ELECTRICAL SPECIFICATIONS

Type	Hybrid 4 channel UHF TX/RX Combiner and Duplex Filter
Frequency	400 - 440 MHz 440 - 475 MHz
VSWR	≤ 1.5:1
Impedance	50 Ohm
Max. Input Power	50 Watts (Per channel)
Insertion Loss (TX)	Single Isolator: < 8.6 dB Dual Isolator: < 8.9 dB
TX-TX spacing	DU-5: ≤ 1.5 MHz DU-10: ≤ 2.0 MHz
TX-RX spacing	DU-5: 4 - 7 MHz DU-10: 8 -12 MHz
Isolation RX-TX	TX-TX spacing <0.5 MHz :> 80dB TX-TX spacing <2.0 MHz :> 60 dB
Isolation TX-RX	RX-RX spacing <0.5 MHz :> 80 dB RX-RX spacing <2.0 MHz :> 60 dB
Isolation TX-TX	Single Isolator: > 50 dB Dual Isolator: > 70 dB
Isolation RX-RX	>20 dB
Bandwidth (RX)	Approx. 5 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	482.6 x 133.5 x 500 mm (W x H x L)
Weight	Single isolator: 8.7 kg Dual isolator: 9.5 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

55442-013	HCMR450-4S-L-5 400-440 MHZ 4CH x 50 W Single Isolator + DU-5
55444-023	HCMR450-4S-L-10 400-440 MHZ 4CH x 50 W Single Isolator + DU-10
55442-033	HCMR450-4S-H-5 440-475 MHZ 4CH x 50 W Single Isolator + DU-5
55444-043	HCMR450-4S-H-10 440-475 MHZ 4CH x 50 W Single Isolator + DU-10
55442-053	HCMR450-4D-L-5 400-440 MHZ 4CH x 50 W Dual Isolator + DU-5
55444-063	HCMR450-4D-L-10 400-440 MHZ 4CH x 50 W Dual Isolator + DU-10
55442-073	HCMR450-4D-H-5 440-475 MHZ 4CH x 50 W Dual Isolator + DU-5
55444-083	HCMR450-4D-H-10 440-475 MHZ 4CH x 50 W Dual Isolator + DU-10
Note	Power cable not included

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