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HCMR450-2-DU/CR

Hybrid 2 channel UHF Combiner and Duplex Filter

HCMR450-2-DU/CR series is a UHF TX/RX hybrid Combiner and Duplex Filter with single or dual isolators used for combining 2 UHF transceivers into one antenna with close frequency spacing.

- Standard EIA19" 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



ELECTRICAL SPECIFICATIONS

Туре	UHF TX/RX Hybrid Combiner & Duplex Filter - 2 Channels
Frequency	L: 400 - 440 MHz H: 440 - 475 MHz
VSWR	≤1.5:1
Impedance	50 Ohm
Max. Input Power	50 Watts (Per channel)
Insertion Loss (TX)	Single Isolator: < 4.9 dB Dual Isolator: < 5.2 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, DU-10: <0.5 MHz :> 80 dB <2.0 MHz :> 65 dB TX-TX spacing, DU-5: <0.5 MHz :> 70 dB <1.5 MHz :> 55 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	Approx. 13±1.0 dB
LNA Noise Figure	< 2.0 dB
Power Supply	100-240 V; 50/60 Hz (Max. 7W)

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MECHANICAL SPECIFICATIONS

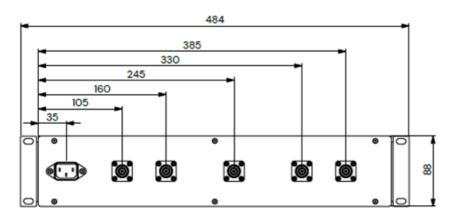
Color	Black Grey (RAL7021)
Dimension	484 x 89 x 423 mm (W x H x L)
Weight	Single Isolator: 6.5 kg Dual Isolator: 6.9 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

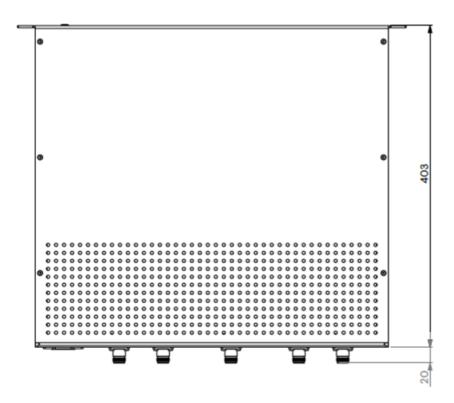
ORDERING INFORMATION

55422-013/CR	HCMR450-2S-L-5 400-440 MHZ 2CH x 50 W Single Isolator + DU-5
55424-023/CR	HCMR450-2S-L-10 400-440 MHZ 2CH x 50 W Single Isolator + DU-10
55422-033/CR	HCMR450-2S-H-5 440-475 MHZ 2CH x 50 W Single Isolator + DU-5
55424-043/CR	HCMR450-2S-H-10 440-475 MHZ 2CH x 50 W Single Isolator + DU-10
55422-053/CR	HCMR450-2D-L-5 400-440 MHZ 2CH x 50 W Dual Isolator + DU-5
55424-063/CR	HCMR450-2D-L-10 400-440 MHZ 2CH x 50 W Dual Isolator + DU-10
55422-073/CR	HCMR450-2D-H-5 440-475 MHZ 2CH x 50 W Dual Isolator + DU-5
55424-083/CR	HCMR450-2D-H-10 440-475 MHZ 2CH x 50 W Dual Isolator + DU-10
Note	Power cable not included

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