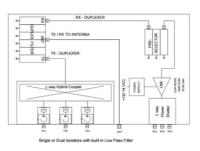
Datasheet

HCMR150-3-DUPT

Hybrid 3 channel VHF TX/RX Combiner & duplexer HS

HCMR150-3-DUPT series is a VHF TX/RX hybrid combiner & duplexer with single or dual isolators used for combining 3 VHF transceivers into one antenna with close frequency spacing.

- Standard EIA 19" tray (2HU DUPT-R).
- Tuned to customer specified frequencies, need to be specified when ordering.
- Full bandwidth.
- 100W power handling.
- Combiner with high spec. external duplexer.



ELECTRICAL SPECIFICATIONS

Туре	VHF TX/RX Hybrid Combiner & duplexer - 3 Channels
Frequency	144 - 162 MHz 158 - 175 MHz
VSWR	≤ 1.5:1
Impedance	50 Ohm
Max. Input Power	100 Watts (Per channel)
Insertion Loss	Single isolator: < 6.9 dB Dual isolator: < 7.2dB
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)

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 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.

Scan-Antenna®

Datasheet

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	Two units: 482.6 x 89.0 x 300 mm (W x H x L)
Weight	Single isolator: 9.3 kg Dual isolator: 10.5 kg
Connector	Type N-female
Serial no.	On product label
Operating temperature	-20° to +60°C

ORDERING INFORMATION

55132-113	HCMR150-3S-L-5-150 144-162 MHZ 3CH x 100 W Single Isolator + DUPT-5
55134-123	HCMR150-3S-L-10-150 144-162 MHZ 3CH x 100 W Single Isolator + DUPT-10
55132-133	HCMR150-3S-H-5-150 158-175 MHZ 3CH x 100 W Single Isolator + DUPT-5
55134-143	HCMR150-3S-H-10-150 158-175 MHZ 3CH x 100 W Single Isolator + DUPT-10
55132-153	HCMR150-3D-L-5-150 144-162 MHZ 3CH x 100 W Dual Isolator + DUPT-5
55134-163	HCMR150-3D-L-10-150 144-162 MHZ 3CH x 100 W Dual Isolator + DUPT-10
55132-173	HCMR150-3D-H-5-150 158-175 MHZ 3CH x 100 W Dual Isolator + DUPT-5
55134-183	HCMR150-3D-H-10-150 158-175 MHZ 3CH x 100 W Dual Isolator + DUPT-10
Power	Cable not included

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 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.