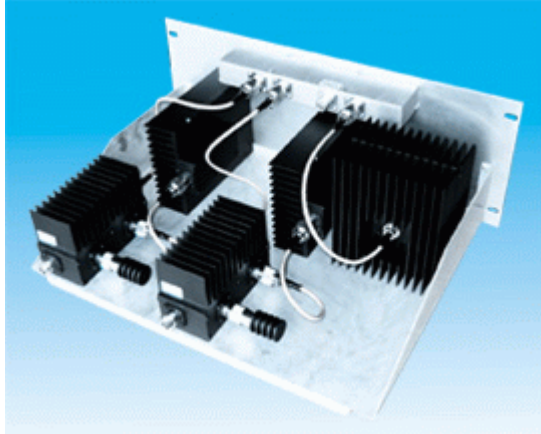




140-174 MHz
Hybrid transmitter combiners
CH-2V-50S(D)-R/2(X/2),
CH-4V-50S(D)-R/2(X/2), CH-2V-
125S(D)-R/2(X/2), CH-4V-125S
(D)-R/2(X/2)

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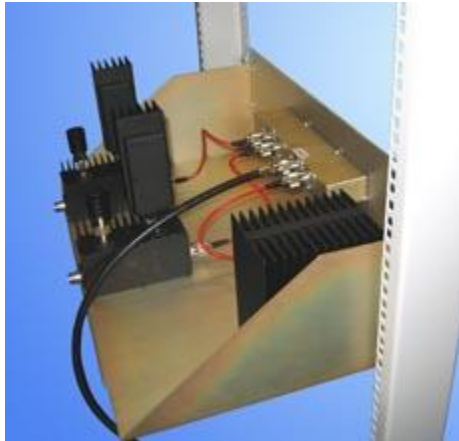
CH-2V-125D-X/2



CH-3V-125D-R/2



CH-2V-125D-R/2



CH-2V-50-X/2



Electrical specifications

All model: Operating frequency band 140-174 MHz, Max. frequency bandwidth - 7 MHz, Impedance 50 Ohm, Connector N-female

Model	NO of channels	Insertion loss TX-ANT, dB	Isolation TX-TX not less, dB	Isolation ANT-TX not less, dB	Power not more, W	Weight, kg	Length/Width/Depth, mm
CH-2V-50S-R/2(X/2)	2	3,6	60	33	50	3,12	485x88x350
CH-2V-50D-R/2(X/2)	2	4	90	63	50	3,36	485x88x350
CH-4V-50S-R/2(X/2)	4	6,8	60	36	50	6,6	485x175x350
CH-4V-50D-R/2(X/2)	4	7,2	90	66	50	7,1	485x175x350
CH-2V-125S-R/2(X/2)	2	3,6	60	33	125	4,9	485x88x350
CH-2V-125D-R/2(X/2)	2	4	90	63	125	5,4	485x88x350
CH-4V-125S-R/2(X/2)	4	6,8	60	36	125	11,2	485x350x350
CH-4V-125D-R/2(X/2)	4	7,2	90	66	125	12,3	485x350x350

These hybrid transmitter combiners are convenient for use in systems with any frequency separation. Also, thanks to absence of narrow resonant elements in their structure, they have no need in heat stabilizing, enabling to install them directly "under antennas".

Two or four-channel single-isolator transmitter combiners employment is allowable at installation sites with low density of transmitting devices.

It is suggested to use double isolator transmitter combiners (CH-2V-50/125D and CH-4V-50/125D), which provide higher

protection from broadcast signals, as well as from signals of transmitters, operating on different channels, if other companies' antennas are situated near yours.

Do not forget to install output bandpass filter, intended for passing all combined channels and elimination of transmitters noise.

Hybrid transmitter combiners are designed for mounting in standard 19-inch rack.

Manufacturer adjusts transmitter combiner to customers operating frequencies.

The combiners of Regular (R) class provide an operation of the transmitting link in temporal regime of exploitation with TX/RX =1:5, i.e. when the working load onto the transmitters of your system is not high. The combiners of Extreme (X) class are being applied in the case when repeaters operate with enhanced load (up to 100% of the cycle). These are more expensive and highly reliable products with the valves based upon the radiators (which do not allow the ferrites to become overheated) and for massive carrying out (external) loads.

