

2 / 3 / 4 Channel HYBRID COMBINER MHCV Series



High performance, reliable hybrid combining system for 136-174MHz frequency band.

Compact 2U height design for up to 4 channels in 19" rack mount tray.

Dual isolator design allows high isolation of over 100dB between output ports.

Technical Specifications	
Frequency Range	136-174MHz (in 12MHz sub-bands)
Number of Channels	2 / 3 / 4
Isolation Tx-Tx	>100dB
Isolation Bandwidth	Up to 12MHz
Nominal Impedance	50 Ohms
VSWR	<1.5:1
Maximum Input Power	100 Watts
Insertion Loss	2 Channel: <3.9dB 3 Channel: <5.8dB 4 Channel: <7.0dB
RF Connectors	N-Type Female (other types available optionally)
Mounting	19" Rack 2U Height
Weight (approx.)	2 Channel: 3.5kg 3 Channel: 4.5kg 4 Channel: 5.5kg
Operating Temperature Range	-30°+60°C
Order Designations	2 Channel 136-148MHz: MHCV-142-2 2 Channel 148-160MHz: MHCV-154-2 2 Channel 160-174MHz: MHCV-166-2 3 Channel 136-148MHz: MHCV-142-3 3 Channel 148-160MHz: MHCV-154-3 3 Channel 160-174MHz: MHCV-166-3 4 Channel 136-148MHz: MHCV-142-4 4 Channel 148-160MHz: MHCV-154-4 4 Channel 160-174MHz: MHCV-166-4

Notes: 1. All tests are performed at +25°C.
2. Due to the nature of magnets enclosed inside the isolators, insertion loss and isolation values deteriorate at extreme temperatures.

Telsan Telsiz San. ve Tic. A.Ş.

Seyrantepe Mah. Yayıncılar Sok. No:5 Kağıthane 34418 İstanbul Türkiye

T: +90 212 2122232

www.mavitek.com