

Outdoor Dual Band Combiner

CM-FF2-ONX

Low PIM(-153dBc), Multiband Combiner, N-Female
(VHF/UHF and 700/800 Public Safety Band)

- Band1: 138-520MHz / Band2: 698-960MHz
- High isolation between ports to minimize interferences
- Built-in lightning protection suitable for indoor/outdoor environment



Electrical Specification

Frequency (MHz)	138-520	698-960
Insertion Loss (dB)	≤ 0.3	< 0.5
Pass Band Ripple (dB)	≤ 0.5	
Return Loss (dB)	≥ 18, typical 20	
Isolation Between Ports (dB)	≥ 45	
PIM (dBc)	< -153 @ 2 x 43dBm	
Input Power Per Port, max (W)	200	200
Impedance (ohm)	50	

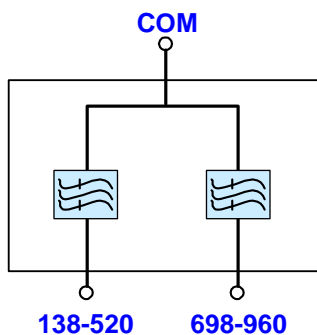
Mechanical Specification

Dimension (in/mm)	9.7x4.8x1.9 / 247.0x123.0x49.0
Weight (lb/kg)	5.0 / 2.3
Shipping Dimension(in/mm)	16.5x6.9x5.2 / 420x175x130
Shipping Weight(lb/kg)	6.2 / 2.8
Connector	N-Female

Environment & Compliance

Application	Outdoor / Indoor
Operating Temperature	-35°C to +85°C
Environment	IP65
Relative Humidity	Up to 95%
RoHS	Compliant

Block Diagram



Outline Drawing

