

Outdoor Diplexer, PIM Rated

CM-SQ2-OAX / CM-SQ2-ONX

138-960MHz/698-4200MHz, Low PIM -153dBc, 4.3-10Female and N-Female

- Band1: 138-960MHz, Band2: 698-4200MHz
- Co-siting purpose for feeder sharing.
- High Isolation and high-power handling
- High reliability and low insertion loss

Electrical Specification

Frequency (MHz)	138-512	698-4200
Insertion Loss	0.3dB typ., 0.5dB max.	0.3dB typ., 0.5dB max.
Isolation Between Ports (dB)	≥ 60 typ., ≥ 50 min.	
Return Loss (dB)	≥ 18. typical 20	
PIM (dBc)	≤ -153 @ 2x43dBm	
Average Power, max (W)	300	
Impedance (ohm)	50	

Mechanical Specification

Dimension (in/mm)	7.1x6.7x1.4 / 179.8x171.0x36.0
Weight (lb./kg)	5.1 / 2.3
Shipping Dimension (in/mm)	13.6x6.9x3.3 / 345x175x83
Shipping Weight (lb./kg)	6.0 / 2.7
Connector	CM-SQ2-OAX; 4.3-10 Female CM-SQ2-ONX; N-Female

Environment & Compliance

Application	Outdoor / Indoor
Operating Temperature	-40°C to +65°C
Environment	IP65
Relative Humidity	Up to 95%
RoHS	Compliant

Outline Drawing

