

Wideband Directional Coupler

DC-Exx-ON200L(XH)

Low PIM(-153dBc), 138-960MHz, N-Female, 200W

- Wideband design covering 138-960MHz Public Safety band (VHF & UHF & 700/800MHz)
- Available in 6, 10, 15 and 20dB values
- Suitable for indoor/outdoor environment
- High reliability and low insertion loss



Electrical Specification

Product Model	DC-E06-ON200L(XH)	DC-E10-ON200L(XH)	DC-E15-ON200L(XH)	DC-E20-ON200L(XH)
Frequency (MHz)	138-960			
Coupling (dB)	6.0	10.0	15.0	20.0
Coupling Tolerance (dB)				
138-340MHz	± 1.5	± 1.5	± 1.7	± 1.7
340-960MHz	± 1.0	± 1.2	± 1.3	± 1.3
Insertion Loss (dB)	≤ 1.9	≤ 1.2	≤ 0.6	≤ 0.5
Directivity (dB)	20			
VSWR @ all ports	≤ 1.25			
PIM (dBc)	≤ -153 @ 2 x 43dBm			
Reflection Power, max (W)	40	100	200	200
Average Power, max (W)	200			
Peak Power, max (W)	1000			
Impedance (ohm)	50			

Mechanical Specification

Dimension (in/mm)	9.45x1.69x0.87 / 240.0x43.0x22.0
Weight (lb/kg)	1.37/0.62
Shipping Dimension (in/mm)	12.71x3.46x1.57 / 322.0x87.0x39.0
Shipping Weight (lb/kg)	1.63 / 0.73
Connector	N-Female

Environment & Compliance

Application	Indoor / Outdoor
Operating Temperature	-35°C to +85°C
Environment	IP65
Relative Humidity	Up to 100%
RoHS	Compliant

Outline Drawing

