

Wideband Power Splitter

PS-E2-ON50M(XH)/PS-E3-ON50M(XH)/PS-E4-ON50M(XH)

2/3/4Way, Low PIM(-153dBc), 138-960MHz, N Female, 50W

- Wilkinson power splitter for Public Safety Band
- Wideband design covering 138-960MHz, Public Safety Band (VHF, UHF & 700/800MHz)
- Suitable for indoor/outdoor environment
- High reliability and low insertion loss



Electrical Specification

Product Model	PS-E2-ON50M(XH) 2-Way	PS-E3-ON50M(XH) 3-Way	PS-E4-ON50M(XH) 4-Way
Frequency (MHz)		138-960	
Split Loss (dB)	3.0	4.8	6.0
Insertion Loss (dB)	≤ 0.5	≤ 0.8	≤ 0.7
Isolation (dB)	≥ 20	≥ 18	≥ 20
VSWR @ all ports	≤ 1.2	≤ 1.25	≤ 1.25
PIM (dBc) @550-960MHz		≤ -153 @ 2 x 43dBm	
Average Power, max (W)		50	
Impedance (ohm)		50	

Mechanical Specification

Dimension (in/mm)	PS-E2-ON50M(XH)	PS-E3-ON50M(XH)	PS-E4-ON50M(XH)
Dimension (in/mm)	5.49x6.54x0.87 / 139.5x166.1x22.0	5.71x8.84x0.87 / 145.0x224.6x22.0	6.91x8.23x0.87 / 175.5x209.1x22.0
Weight (lb/kg)	1.28 / 0.63	2.02 / 0.91	2.30 / 1.04
Connector Type	N Female	N Female	N Female

Environment & Compliance

Application	Indoor / Outdoor	Operating Temperature	-25°C to +85°C
Environment	IP65	Relative Humidity	Up to 100%
RoHS	Compliant		

Outline Drawing

