

# Wideband Power Splitter

**PS-K2-ON50M(XH)**

**PS-K3-ON50M(XH)**

**PS-K4-ON50M(XH)**

2/3/4Way, Low PIM(-153dBc), 555-2700MHz, N Female, 50W

- Wilkinson power splitter
- Wideband design covering 555-2700MHz
- Suitable for indoor/outdoor environment
- High reliability and low insertion loss



## Electrical Specification

Product Model	PS-K2-ON50M(XH) 2-Way	PS-K3-ON50M(XH) 3-Way	PS-K4-ON50M(XH) 4-Way
Frequency (MHz)	555-2700		
Split Loss (dB)	3.0	4.8	6.0
Insertion Loss (dB)	≤ 0.4	≤ 0.7	≤ 0.8
Isolation (dB)	≥ 20	≥ 18	≥ 20@555-2700MHz ≥ 18@2500-2700MHz
VSWR @ all ports	≤ 1.25 @555-698MHz ≤ 1.25 @698-2700MHz	≤ 1.35 @555-698MHz ≤ 1.35 @698-2700MHz	≤ 1.30 @555-698MHz ≤ 1.30 @698-2700MHz
PIM (dBc)	≤ -153 @ 2 x 43dBm		
Average Power, max (W)	50		
Impedance (ohm)	50		

## Mechanical Specification

Dimension (in/mm)	PS-K2-ON50M(XH)	PS-K3-ON50M(XH)	PS-K4-ON50M(XH)
Dimension (in/mm)	4.21x2.87x0.98 / 107.0x73.0x25.0	6.02x4.53x0.98 / 153.0x115.0x25.0	4.84x5.63x0.98 / 123.0x143.0x25.0
Weight (lb./kg)	0.88 / 0.40	2.05 / 0.93	2.03 / 0.92
Shipping Dimension (in/mm)	6.22x5.04x1.50 / 158.0x128.0x38.0	7.87x6.61x1.50 / 200.0x168.0x38.0	7.87x6.61x1.50 / 200.0x168.0x38.0
Shipping Weight (lb./kg)	0.77 / 0.35	2.14 / 0.97	2.11 / 0.96
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 95%
RoHS	Compliant		

## Outline Drawing

