

## Power Splitters Low Loss 2, 3 and 4-Way

### PRODUCT OVERVIEW

Our HPS 2, 3, and 4-way splitters distribute wireless signals evenly throughout a DAS system. RF performance is optimized for carrier signals in the 694-2700 MHz band. The tight dimensional tolerances of the splitter's internal machined components and air dielectric design offers excellent low input VSWR (high return loss) to minimize network reflections. Insertion loss variances to output ports are also constrained to a minimum - an important detail when designing a network.

Mechanically, the splitter case material and component metal plating compositions make these splitters suitable for low PIM applications. Meeting IP67 specifications, the HPS splitters offer excellent signal and mechanical reliability indoors and out. Units are available with N-type, 7/16 DIN, or 4.3-10 connectors for tight mechanical connections.



AWS 4-Way Splitter

### Key Features

- Low PIM < -161 dBc • Broad Frequency Band • Rated to 500 Watts • Low VSWR and Loss
- Low PIM Tested and Verified • Meets IP67 Specifications • ROHS Compliant

### Specifications

2, 3, 4-way Low-Loss Splitters			
Connector Type	Part Number - By Connector Type		
N Connector	HPS-2N-69827	HPS-3N-69827	HPS-4N-69827
7/16 DIN Connector	HPS-2D-69827	HPS-3D-69827	HPS-4D-69827
4.3-10 Connector	HPS-2B-69827	HPS-3B-69827	HPS-4B-69827
Specification			
Ways Split	2	3	4
Frequency Band (MHz):	694 - 2700		
Split Loss (dB):	3	4.8	6
Amplitude Balance (dB), Typical:	0.15	0.25	0.25
Input VSWR:	<1.15:1	<1.15:1	<1.25:1
Impedance:	50Ω nominal		
Power Rating:	500W avg., 3kW pk.		
PIM - 2 tones at +43 dBm :	N & 7/16 DIN Connectors <-153 dBc; 4.3-10 Connector: <-161 dBc		
Environment:	IP67, RoHS compliant		
Operating Temp.	-35°C to +75°C		
Finish:			
Connectors:	Brass / Triplate		
Housing:	Passivated Aluminum		
Mounting:	Bracket & clip supplied		
Weight (lbs.) / (kg):	0.60 / 0.28	0.65 / 0.30	0.70 / 0.32