

DAS High Power Splitters

Our HPS 2, 3, and 4-way splitters distribute wireless signals evenly throughout iDAS systems. RF performance is optimized for carrier signals in either the 694-2700MHz range or 617-2700MHz range bands. The tight dimensional tolerances of the splitter's internal components and air dielectric offer excellent low input VSWR (high return loss) to minimize network reflections. Insertion loss variances to output ports are also constrained to a minimum.

The splitter case materials and component plating compositions are tailored for low PIM performance. 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.



High Power iDAS Splitter

Features & Benefits:

- 694-2700 & 617-693 MHz Bands
- High Output Directivity (Port-to-Coupled-Port)
- Low Insertion Loss
- Rated to 200 Watts
- High Reliability
- ROHS Compliant
- N, 7/16 DIN and 4.3-10 Connectors

Specifications

Connector Type	694-2700 MHz			617-2700 MHz		
N Connector	HPS-2N-69427	HPS-3N-69427	HPS-4N-69427	HPS-2N-61727	HPS-3N-61727	HPS-4N-61727
7/16 DIN Connector	HPS-2D-69427	HPS-3D-69427	HPS-4D-69427	HPS-2D-61727	HPS-3D-61727	HPS-4D-61727
4.3-10 Connector	HPS-2B-69427	HPS-3B-69427	HPS-4B-69427	HPS-2B-61727	HPS-3B-61727	HPS-4B-61727
Ways Split	2	3	4	2	3	4
Frequency Band (MHz):	694 - 2700			617 - 693		
Split Loss (dB):	3	5	6	3	5	6
Amplitude Bal. (dB), Typical:	0	0	0	0	0	0
Input VSWR:	<1.15:1	<1.15:1	<1.25:1	<1.20:1	<1.25:1	<1.35:1
Impedance:	50Ω nominal					
Power Rating:	500W avg., 3kW pk.					
PIM 2 tone test 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					
Connector Finish:	Brass/Triplate					
Housing Finish:	Passivated Aluminum					
Mounting:	Bracket & clip supplied					
Weight Lbs. / Kg.	0.60 / 0.28	0.65 / 0.30	0.70 / 0.32			