

DAS High Power Tappers

Our iDAS Tappers receive and distribute high power, wireless signals in a fixed proportion throughout an iDAS network. With RF performance optimized for carrier signals in the 350–6000 MHz band, models offered include six fixed-ratio splits of 2:1 through 100:1. These tappers offer low VSWR (high return loss) at the input port. Tight machining tolerances in the internal air dielectric design allow a narrow flatness tolerance to the tap port. Materials and plating were carefully chosen to achieve minimal PIM. Our iDAS Tappers offer excellent signal and mechanical reliability indoors or out - meeting IP67 specifications. Units are available with N-type, 7/16 DIN, and 4.3-10 connectors.



Features & Benefits:

- 350-6000 MHz Band
- Split ratios from 2:1 to 100:1
- Low PIM tested and verified
- 500 Watt Average Power Rating
- Minimal RF Insertion Loss
- High Environment Reliability; IP67
- ROHS Compliant

Specifications

Connector Type	Part Number - By Connector Type						
N Connector	HPT20-N-35060	HPT3-N-35060	HPT48-N-35060	HPT6-N-35060	HPT8-N-35060	HPT10-N-35060	
7/16 DIN Connector	HPT20-D-35060	HPT3-D-35060	HPT48-D-35060	HPT6-D-35060	HPT8-D-35060	HPT10-D-35060	
4.3-10 Connector	HPT20-B-35060	HPT3-B-35060	HPT48-B-35060	HPT6-B-35060	HPT8-B-35060	HPT10-B-35060	
Output Split Ratio, Nominal (dB Inequality between Outputs):	100:1/20dB	2:1/3.0dB	3:1/4.8dB	4:1/6.0dB	6:1/8.0dB	10:1/10dB	
Outputs Ref. to Input Level, Including Loss (dB):							
Main/Branch (dB)	-0.1/-20.1	-1.8/-4.8	-1.3/-6.1	-1.0/-7.0	-0.7/-8.6	-0.4/-10.4	
Branch Flatness	± 1.00	+0.5/-0.8†	± 0.7†	± 0.7†	± 0.8†	± 1.0	
Input VSWR Maximum:							
700-2500 MHz	1.25:1	1.3:1	1.3:1	1.2:1	1.2:1	1.2:1	
350-6000 MHz	1.25:1	1.4:1	1.3:1	1.3:1	1.2:1	1.2:1	
Frequency Bands:	350 - 960 MHz and 1,710 - 6000 MHz; Uncoupled: 1550-1650 MHz						
Dissipative Loss:	0.1 dB max. (main line)						
Power Rating:	500W avg., 3 kW peak						
Impedance:	50Ω nominal						
PIM 2 tone test at +43 dBm:	N & 7/16 DIN Connectors: <-153 dBc; 4.3-10 Connectors: <-161 dBc						
Environment:	IP67						
Temperature Range:	-35°C to +75°C						
Connectors: Body/Finish	Brass/Trimetal						
Housing Finish:	Passivated Aluminum						
Weight ~ Lbs. / Kg:	.875 / .380						
Mounting:	Bracket supplied						

†MHz Branch Flatness In range 350 - 380 is ±1.0