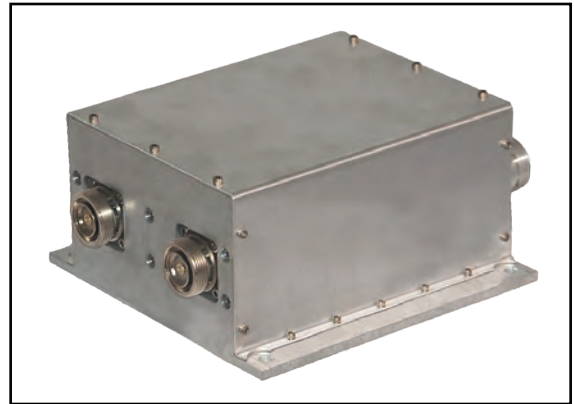




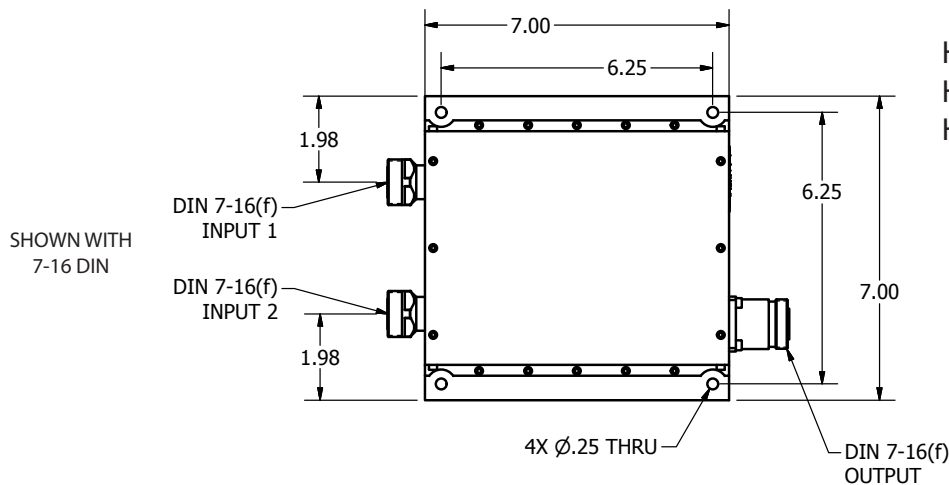
Low PIM 3dB Hybrid Combiner

HD-A51, Internal Termination, 698-2700 MHz

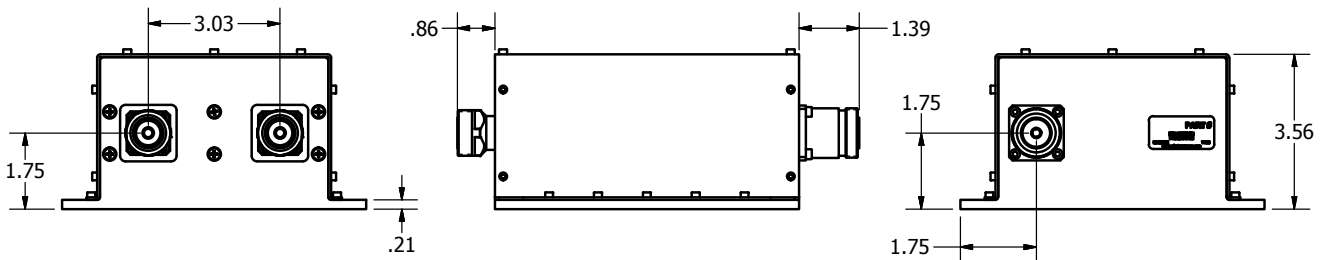
Model	HD-A51	
Frequency Range:	617-698 MHz	698-2700 MHz
Input Power:	100 Watts each input port	
Cooling:	Convection & Conduction (fan option available)	
Return Loss:	> 23 dB All Ports	> 23 dB All Ports
Hybrid Imbalance:	1.4 dB Max	1.1 dB Max
Maximum Path Loss:	4.0 dB Max	4.0 dB Max
Isolation:	> 20 dB	> 20 dB
Passive Intermodulation: @ 850 MHz:	> 160 dBc, 3rd Order > 155 dBc 2x 43dBm/tone at Input port	
Environmental:	IP67	
Finish:	Grey Paint	
Connectors:	7-16 DIN(f)	
Ambient Temp Range:	-40°C to +50°C	



The model HD-A51 is a 3 dB High Power Hybrid with an internal high performance low PIM cable termination. The assembly is typically used to combine two (2) amplifiers into a single output connector with low PIM performance under any condition. Typical PIM performance is measured between 165-170 dBc. The unit is intended for outdoor/indoor environment applications in accordance with IP67. The frequency range of the unit is 698-2700 MHz with a power rating of 200 Watts at the outputs. The S-Parameters of the unit are optimized over the 698-1900 MHz bands with full band performance in accordance with the specifications.



HD-A51D43 = 4.3-10.0 (f)
 HD-A51D = 7-16 DIN (f)
 HD-A51N = Type N (f)



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