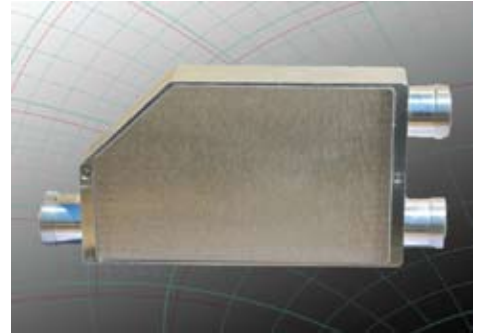


Diplexer Filter

Model DI-A30
824-1000MHz, 1710-2170MHz

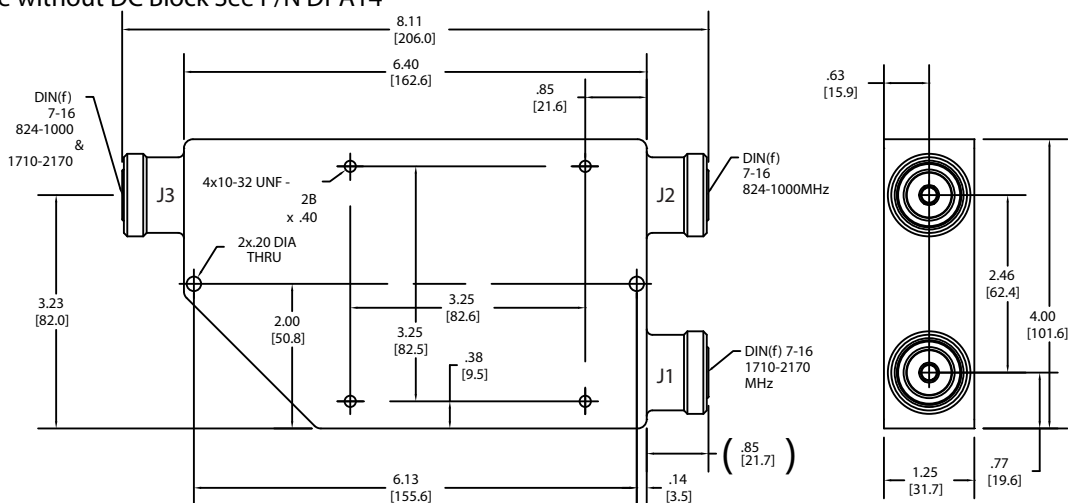
Model	DI-A30
Passband	
Antenna J3↔J1	1710 - 2170 MHz
Antenna J3↔J2	824 - 1000 MHz
Insertion Loss	
824 - 1000 MHz	0.3 dB MAX (0.2 dB nominal)
1710 - 2170 MHz	0.5 dB MAX (0.3 dB nominal)
Impedance	50 Ω
Input/Output VSWR	< 1.2
Return Loss	>20.8 dB
Isolation	
J1↔J2	>50 dB
Intermodulation IM3 (2 x 43 dBm carrier)	< -160 dBc
RF Power, continuous	
J3↔J1	150 W Avg
J3↔J2	250 W Avg
Connectors	DIN 7-16 female
Material:	
Housing	Passivated Aluminum
Connectors	Brass, Silver Plated
DC continuity	
J3↔J1	RF and DC
J3↔J2	RF only
Environment	
Temperature	0°C to +50°C
Humidity	0 - 95 %



Model DI-A30 Diplexer filter was designed for 802.11 applications for combine wireless local area networks with a common antenna and for distributed antenna systems intended for indoor applications. It provides band separation/isolation of at least 50 dB with low combining insertion loss and pass band VSWR to the RF signal in both bands. The Model DI-A30 is capable of operating with powers of at least 250 Watts in the low band and at least 150 Watts in the high band, with excellent PIM performance that is guaranteed on all units.

Made in USA.

- Low Cost Design
- Low Passive IM, PIM
- Minimal Passband Insertion Loss
- Minimum solder joints
- Available without DC Block See P/N DI-A14



DIMENSIONS: in [mm]
 TOLERANCE: +/- .03(0.8)

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