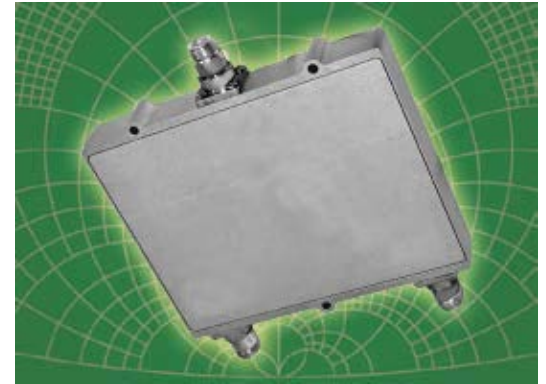


Diplexer Filter

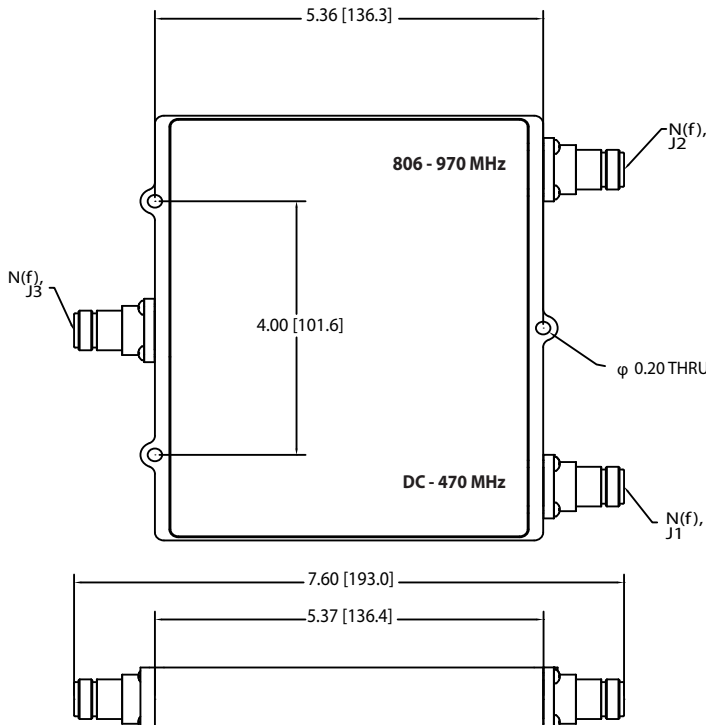
Model DI-A24
DC-470MHz, 806-970MHz TYPE N

Model	DI-A24N
Passband Antenna J3↔J1 Antenna J3↔J2	DC - 470 MHz 806 - 970 MHz
Insertion Loss 0 - 470 MHz 830 - 970 MHz	0.3 dB MAX (0.2 dB nominal) 0.75 dB MAX (0.5 dB nominal)
Impedance	50 Ω
Input/Output VSWR Return Loss	< 1.35 >17.7 dB
Isolation J1↔J2	>45 dB
Intermodulation IM3 (2 x 43 dBm carrier)	< -150 dBc
RF Power, continuous J3↔J1 J3↔J2	150 W Avg 100 W Avg
Connectors	N female, flange with O-ring
Material: Housing Connectors	Passivated Aluminum Brass, Triplate
DC continuity J3↔J1 J3↔J2	RF and DC RF only
Environment Temperature Humidity	0 - 95 % 0°C to +50°C



Model DI-A24N 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 45 dB with low combining insertion loss and pass band VSWR to the RF signal in both bands. The Model DI-A24N is capable of operating with powers of at least 100Watts 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 design.
 - TYPE N Connectors



DIMENSIONS: in [mm]
TOLERANCE: 0.03 [0.8]



R&D Microwaves LLC, 301 Rockaway Valley Road, Boonton, NJ 07005 USA
Tel. 908.212.1696 www.rdmicrowaves.com
email: sales@rdmicrowaves.com

