

New

800-2200 MHz & 2400-2700 MHz Xband Coupler/Diplexer

FEATURES

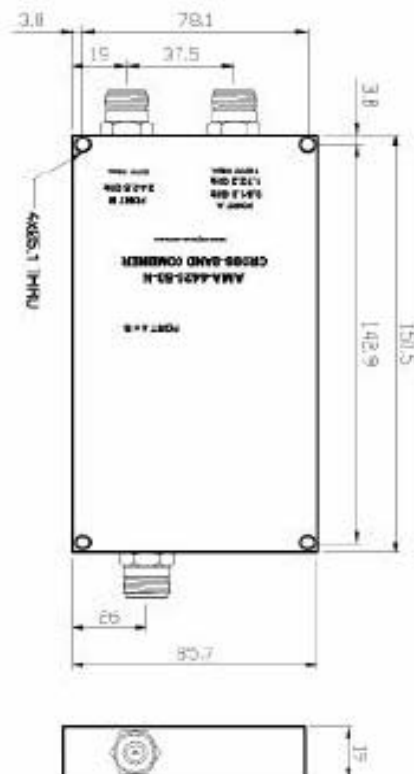
- High Isolation
- Low Loss Crossband Coupler/Diplexer/Combiner
- Ideal for Cellular & WLAN Applications

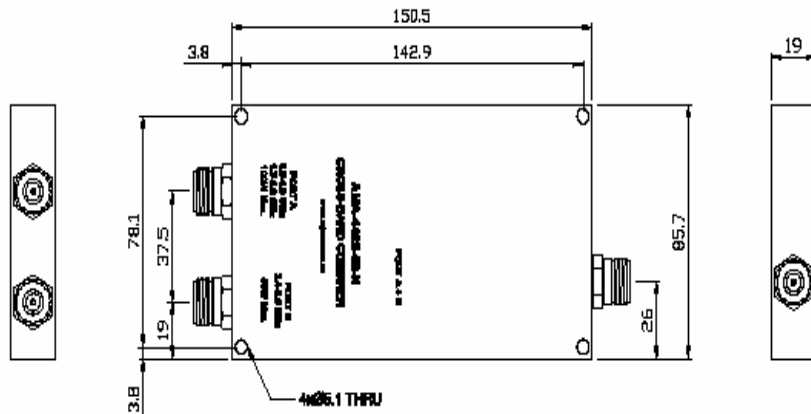
Our PW-4420-50-N is compact, stripline, Crossband Coupler typically used to diplex 800-2200 MHz AMPS / USDC, GSM, PCS / DCS 1800, PCS & 3G with Wireless LAN Applications providing an effective solution to coupling the above bands to one feedline.

Specifications

Last Updated 07/03

Part Number	PW-4420-50-N
Description	Xband Coupler / Diplexer
PORT A	
Frequency	800-1000 /1700-2200 MHz
Isolation to port B:	50-70dB
Power:	100W Max
Return loss:	<-15dB
Thru loss:	<0.3dB for 800-1000MHz < 1.5dB for 1700 – 2200MHz
PORT B	
Frequency	2400-2700 MHz
Isolation to port A:	50-90dB
Power:	50W Max
Return loss:	<-15dB
Thru loss:	<1.7dB
Port A + B Rtn Loss	<-15dB
Operation Temp:	-40 to +65°C
Size:	151 x 86 x 19mm
RF Connectors:	N-F 50 Ohm
Weight	800g Max





Design Spec

Part A: 0.8-1.0GHz; 1.7-2.5GHz
 Isolation to port B: 50-70dB
 Power: 100W Max.
 Return loss: $\le -15dB$
 Thru loss: $\le 0.5dB$

Part B: 2.4-2.5GHz
 Isolation to port A: 60-90dB
 Power: 60W Max.
 Return loss: $\le -15dB$
 Thru loss: $\le 1.3dB$

Port A-B:
 Return loss: $\le -15dB$

Operating Temp: -40 to +60°C
 Humidity: 100%
 (Connections must be sealed after installation)
 Size: 151x86x19mm
 RF Connectors: N-F 50 Ohm

