

5LZ10-00025 VHF/UHF & Wi-Fi/BWA Diplexer

◆ Features:

- Easy, Convenient Combining/Splitting of 88-2185 MHz & 2400-3000 MHz Signals
- Low-Loss Design – 1.2 dB Maximum Eliminates Hybrid Losses – Reduces Noise Figure
- 35 db Minimum Rejection – Channel-to-Channel
- 20 dB Minimum Broadband Isolation; 88-3000 MHz
- Small Compact Size - Low Cost

◆ Specifications:

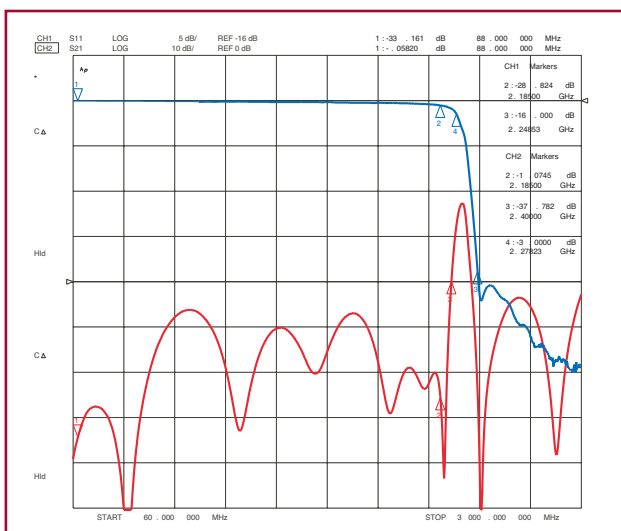
Passbands	
Low Channel:	88–2185 MHz
High Channel:	2400–3000 MHz
Passband Insertion Loss:	1.2 dB maximum
Passband Return Loss:	16 dB minimum
Rejection	
Low Channel:	35 db minimum; 2400–3000 MHz
High Channel:	35 dB minimum; 88–2185 MHz
Isolation:	20 db minimum; 88–3000 MHz
Passband Power Handling:	10 Watts CW maximum

Characteristic Impedance:	50 ohms (in passbands)
Dimensions:	2.0" W x 1.0" D x 0.75" H (excluding connectors)
Connectors:	N-F
Operating Temperature Range:	-20° C to +70° C
Operating Humidity:	0-90%, non-condensing
Storage Temperature Range:	-40° C to +85° C
Finish/Construction:	Silver plated aluminum
Mounting:	2-56 x 0.15" deep tapped holes on mounting surface (x4)

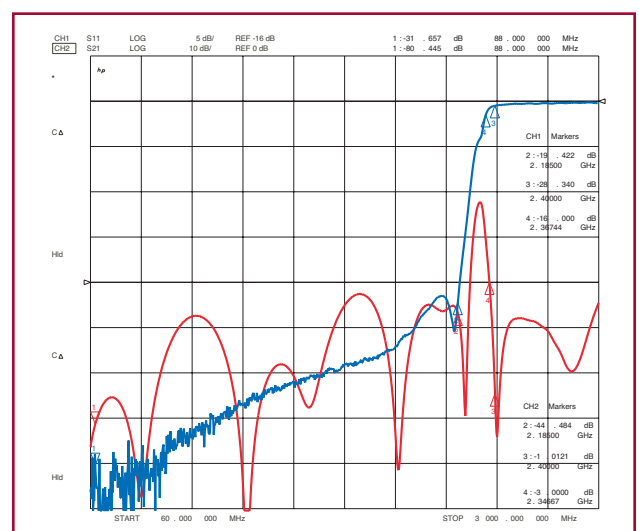


◆ Applications:

- In-Building or Tunnel Radio Distribution Systems
- Replacement of High-Loss Hybrid Combiner/Splitters



S₁₁ & S₂₁ Low Channel Response



S₁₁ & S₂₁ High Channel Response