



Model Number S59117 Diplexer

Rev -
07/02/12

Features:

- Cavity Design
- Low Loss
- Vented
- Light Weight

Applications:

- Space
- Lab Equipment

Package Size:

- 7.6" x 2.0" x 2.3"

(Please see outline for exact dimensions)



Specifications:	Low Channel	High Channel
Passband	1789.752 to 1801.752 MHz	2236.5 to 2248.5 MHz
Insertion Loss	0.8 dB maximum	0.4 dB maximum
Insertion Loss Ripple	0.1 dB maximum	0.1 dB maximum
VSWR	1.3:1 maximum	1.3:1 maximum
Rejection	80 dB from 400 to 1200 MHz	60 dB from 400 to 1742.5 MHz
	50 dB from 1200 to 1694.752 MHz	70 dB from 1789.752 to 1801.752 MHz
	45 dB from 1894.752 to 1984.752 MHz	60 dB from 2842.5 to 3142.5 MHz
	70 dB from 1984.752 to 5384.256 MHz	90 dB from 2236.5 to 2248.5 MHz
Group Delay Variation	3.0 ns maximum	2.0 ns maximum
Power Handling	10.6 W (across 2236.5 to 2248.5 MHz)	
Operating Temperature	-54° to +71 °C	
Storage Temperature	-54° to +100°C	
Connectors	TNC Female (3x)	



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Written By Approved By

Delta Microwave reserves the right to change specifications without notice. Please verify specification revision letter upon order placement.