



Model Number L5990

GPS Dual filter with DC Bypass

Rev.-
05/09/06

Features:

- Cavity Design
- Low Loss
- DC Bypass



Applications:

- Maritime
- Airborne
- Mobile
- Timing
- Test Equipment

Package size:

- 2.0 x 2.5 x 6.0"

(Please see outline for exact dimensions)

Parameter	L1	L2
Center Frequency	1575.4 MHz	1227.6 MHz
1 dB Bandwidth	± 10 MHz min	± 10 MHz min
3 dB Bandwidth	± 20 MHz max	± 20 MHz max
50 dB Bandwidth	± 55 MHz max	± 55 MHz max
VSWR	1.5:1 @ f ₀	
Loss	1.2 dB max	
Ultimate Rejection	80 dB minimum for all frequencies Between 100 MHz and 3.5 GHz that are Greater than ± 100 MHz from L1 and L2.	
DC Bypass	Thru RF Connectors	
Continuous Operating Temperature	- 54° C to + 71° C	
Elevated Temperature	+71° to +95° C	
Non Operating Temperature	-62° to +95° C	
Altitude	-1000 to +15,000 feet	
Humidity	100 percent, condensing	
Sand and Dust	MIL-STD-810, Method 510.1, Procedure I.	
Salt Spray	MIL-STD-810, Method 510.1, Procedure I	
Salt Water Immersion	Non-operating, One-hour immersion per MIL-STD-810, Method 512.1, Procedure III.	
Shock	MIL-STD-810, Test Method 516.2, Procedure I Amplitude @ 20 g and time 11 ms	
Rain	MIL-STD-810, Test Method 506.1, Procedure I	
Reliability (MTBF)	193,000 hours per MIL-HDBK-217 for Airborne, Uninhabited, Fighter Environment	
Finish	Haze Gray per MIL-P-24441, Type 1	
RF Connectors	Type "N" Female	
Size	See Outline Drawing	



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