



Sat-Light Platinum Series

PL7641 5-10 MHz / L-Band Diplexer



Features & Benefits

- Reduces cable connector failures
- Greatly improves cable management
- High performance

Product Description

Global Foxcom's Sat-Light/Platinum's **PL7641 5-10MHz / L-Band Diplexer** is a high performance, passive, unit used to separate or combine 5-10MHz reference signals to an L-Band signal.

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Specifications

RF Specifications	Units	Typical	Minimum	Maximum
Frequency Range L Band 5/10 MHz	MHz		950 5	2400 20
Insertion Loss L Band 5/10 MHz	dB			0.5 0.5
Isolation L Band to 5/10 MHz	dB		20	30
Flatness [in band] L-band 5 / 10 MHz	dB ptp			1 0.5
Return Loss 5 /10 MHz port L-band port Common port	dB			-16 -16 -14
RF Connector (Input/Output)	Type	FC/APC, SC/APC [E2000 option]		
DC Passing		No		
Current Passing				800mA [18VDC]
Physical Specifications				
Operating Temperature Range	°C		-10	+55
Storage Temperature Range	°C		-45	+85
Relative Humidity	95% non-condensing			
Altitude	ft / Km	10,000 [3.08] operating ¹ 14,000 [12.2] non-operating		
Dimensions [D×W×H]	ins/cm	12×0.8×4 / 30.5×2×10.2		
Weight	lbs./Kg	0.5 / 0.23		
Physical / Environmental Specifications				
Shock & Vibration	Designed for normal transportation environment per section 514.4 MIL-STD-810E. Designed to withstand 20G at 11 ms [½ sine pulse] in non-operating configuration.			

1. With standard adiabatic derating of 2°C/1000 ft. [0.3 Km]
All specifications are subject to change without notice.

Ordering Information

Model	RF Connector Type	Description
PL7641	-75F	75-Ohm F
	-75BNC	75-Ohm BNC
	-50BNC	50-Ohm BNC
	-50SMA	50-Ohm SMA
	-50N	50-Ohm N