



## Sat-Light Platinum Series

# PL7642 Wideband RF Splitter/Combiner



### Features & Benefits

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

### Product Description

Global Foxcom's Sat-Light/Platinum's **PL7642** is a high performance, passive, 2way Wideband RF unit that combines or splits optical signals.

PL7642 supports dual port DC passing capabilities needed for a redundant LNB powering configuration.

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## Specifications

RF Specifications	Units	Typical	Minimum	Maximum
Frequency Range	MHz		10	2400
Insertion Loss 10-950 MHz 950-2400	dB			3.8 4.2
Isolation 10-950 MHz 950-2400	dB		18 15	
Ripple [in band] 10-950 MHz 950-2400	dB			±0.6 ±1
Input/Output Return loss 10-950 MHz 950-2400	dB			-9.8 -12
RF Connector (Input/Output)	Type	N, SMA, 50-Ohm BNC		
DC Passing		Both ports		
Current Passing	mA			800mA [18 VDC]
<b>Physical Specifications</b>				
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 <sup>1</sup> 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		
<b>Physical / Environmental Specifications</b>				
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
PL7642	-50BNC	50-Ohm BNC
	-50SMA	50-Ohm SMA
	-50N	50-Ohm N