

PL7642: Wide Band RF Splitter/Combiner

Features & Benefits:

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



Product Description

The **PL-7642** is a high performance, passive, 2way WideBand RF splitter/combiner.

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

Specifications

Wide band 10-2400 MHz RF Splitter/Combiner: PL7642

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			800 mA [18 VDC]
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 14,000 [12.2] non-operating		
Dimensions [DxWxH]	ins/cm	12x0.8x4 / 30.5x2x10.2		
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
PL7642	-50BNC	50-Ohm BNC
	-50SMA	50-Ohm SMA
	-50N	50-Ohm N

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