1218MHz 2-Way Splitter

A BELDEN BRAND

Features & Benefits

- Supports expanded bandwidth, 5 – 1218MHz frequency range
- Specifically designed to reduce metal content
  - Streamlined trapezoidal shape
  - Very small, lightweight 2-way splitter
- Plated zinc die-cast body with soldered back
- 4-point beryllium copper contact
- Capacitor coupled ports
- 6kV “ring” wave surge protection



Overview

The PPC 2-way Splitter is designed to support the cable industry’s bandwidth expansion to 1218MHz. Built to be one of the smallest splitter sizes possible and still meet SCTE standards, this splitter helps manage connections in limited space applications.

Although size has been reduced, performance has been enhanced. This splitter is ready for 5 – 1218MHz performance. The 2-way splitter is protected against electrical surges and can pass the industry’s 6kV 200A “ring” wave surge test. You can deploy this reliable splitter today with a service life of years to come.

Technical Data

Specification	Value	
Impedance:	75 Ohms	
Mechanical	Construction	Zinc die-cast housing with protective Sn, Ni plating Plated steel cover, soldered to housing
	Dimensions	1.8L x 1.8W x 0.55D inches (48L x 48W x 14D millimeters)
	Ports	Qty. 3 of female F-connectors SCTE-01 compliant 360-degree 4-point beryllium copper contacts Sealed against moisture
Environmental	Operating Temp	-40 °F to 140 °F (-40 °C to 60 °C)
	Humidity	0 to 100% condensing (using weather-seal mating connectors, all ports)
Surge Withstand:	ANSI/SCTE 81 2012, IEEE C62.41 Cat. A3 6kV, 200A, Ring Wave	

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Technical Data

Parameters	Frequency	GKS
Usage/Purpose:	X	General use
Insertion Loss – In/Out: Maximum	5 – 10MHz	3.5dB
	10 – 400MHz	3.5dB
	400 – 600MHz	3.7dB
	600 – 1002MHz	3.9dB
	1002 – 1218MHz	4.4dB
Isolation – Out/Out: Minimum	5 – 10MHz	25dB
	10 – 205MHz	35dB
	205 – 685MHz	35dB
	685 – 870MHz	28dB
	870 – 1002MHz	25dB
	1002 – 1218MHz	20dB
Return Loss – all ports: Minimum	5 – 10MHz	17dB
	10 – 65MHz	25dB
	65 – 870MHz	20dB
	870 – 1218MHz	20dB
RFI Shielding: Minimum	5 – 1000MHz	-120dB
	1000 – 1218MHz	-120dB

Ordering Information

Part Number	Description
PPC-GKS2-2H	2-Way Splitter, General Purpose, Horizontal, 5 – 1218MHz