

TFC Product Information Sheet

Type: Passive RF Digital Splitter, 5-1002 MHz 2-Way

Passive RF Digital Drop Splitter
 2 Way – Horizontal
 1.0 GHz Performance
 SCTE Compliant Housing & Ports
 Nickel/Copper Plated, w/ Solder Back Plate
 Moisture Sealed Housing (15 psi)
 Intermodulation Protection
 Operating Temperature -40°C thru +60°C
 UV Resistant Label
 Surge Withstand – IEEE 587
 (C62.41 – 1991) Category A3
 (6kV, 100kHz Ring Wave)



Ordering Information

Part Number	Description	NEC / CEC Listing
TFC-DSH10026R	DIGITAL SPLITTER 5-1002 MHz 2-WAY HORIZ 6kV RING WAVE BALANCED	none

Characteristics

Material - Mechanical Specifications	Detail	
Housing Material	Zinc (Die-Cast)	
Housing Plating	Ni / Cu	
Backplane Seal	Solder	
Ground Screw Material	Nickel-Plated Steel	30 in·lb torque
Wood Screw Material	Nickel-Plated Steel	30 in·lb torque

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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Electrical Specifications				
Return Loss (dB) [input/output]		In/Out1/Out2		
	5-15 MHz	22	22	22
	16-40 MHz	25/35	25/35	25/35
	41-450 MHz	22	22	22
	451-750 MHz	22	22	22
	751-1002 MHz	22	22	22
Insertion Loss (dB)		Out		
	5-15 MHz	≤ 3.5		
	16-40 MHz	≤ 3.5		
	41-450 MHz	≤ 3.5		
	451-750 MHz	≤ 3.6		
	751-1002 MHz	≤ 3.7		
Signal Level	Analog	< 15dBmV		
	Digital	< 11dBmV		
Isolation (dB)		(min)		
	5-10 MHz	> 25		
	11-65 MHz	> 35		
	66-870 MHz	> 30		
	871-1002 MHz	> 26		
Passband Response		1 dB		
RFI [Shielding Effectiveness] (dB)	5-1002 MHz	-130 dB		
Surge Withstand (kV)	ring-wave	6		
2 nd Order Harmonics (dBmV) *		< -65		
<i>Measured with a +55 dBmV return input carrier</i>				

Notes:

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