

# TFC Product Information Sheet

## Type: Passive RF Digital Splitter, 5-1002 MHz 3-Way, Unbalanced

Passive RF Digital Drop Splitter  
 3 Way – Horizontal Unbalanced  
 1.002 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-DSH10036R U	DIGITAL SPLITTER 5-1002 MHz 3-WAY HORIZ 6KV RING WAVE UNBALANCED	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/Out3			
	5-15 MHz	22	22	22	22
	16-40 MHz	25/35	25/35	25/35	25/35
	41-450 MHz	22	22	22	22
	451-750 MHz	22	22	22	22
	751-1002 MHz	22	22	22	22
Insertion Loss (dB)		Out			
	5-15 MHz	≤ 3.5 / 7.0			
	16-40 MHz	≤ 3.5 / 7.1			
	41-450 MHz	≤ 3.5 / 7.1			
	451-750 MHz	≤ 3.6 / 7.2			
	751-1002 MHz	≤ 3.7 / 7.5			
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 <sup>nd</sup> Order Harmonics (dBmV) *		< -65			
<i>Measured with a +55 dBmV return input carrier</i>					

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