



Transient Tracking Surge Diverter System Telecom and Data Line Protector - TDP

Specification																										
Electrical																										
TDP-xx TDP-xxP TDP-xxB TDP-xxB-S	Protector - Unidirectional Protector - Unidirectional with internal automatic over current protection (PTC) Protector - Bidirectional TDP-xxB Protector + Bypass switch*																									
(Xx) = DC Voltage Rating	*Bypass switch to be used for bypassing the TDP Protector in 'fault' conditions																									
Modes of Protection	Line~Line and Line~Ground																									
Surge Life	> 1500 times (200A, 10/1000ms) >10 times (10,000A, 8/20ms)																									
Line~Line Voltage @ 1mA Maximum Operating Voltage Leakage current (mA) DC Loop Resistance	<table border="1"> <thead> <tr> <th>TDP-200xx</th> <th>TDP-48xx</th> <th>TDP-24xx</th> <th>TDP-12xx</th> <th>TDP-06xx</th> </tr> </thead> <tbody> <tr> <td><170V</td> <td><56V</td> <td><27V</td> <td><13V</td> <td><8V</td> </tr> <tr> <td><190V</td> <td><65V</td> <td><40V</td> <td><13V</td> <td><8V</td> </tr> <tr> <td>20mA</td> <td>5mA</td> <td>2mA</td> <td>2mA</td> <td>1mA</td> </tr> <tr> <td>33W</td> <td>8.2W</td> <td>2.2W</td> <td>2.2W</td> <td>2.2W</td> </tr> </tbody> </table>	TDP-200xx	TDP-48xx	TDP-24xx	TDP-12xx	TDP-06xx	<170V	<56V	<27V	<13V	<8V	<190V	<65V	<40V	<13V	<8V	20mA	5mA	2mA	2mA	1mA	33W	8.2W	2.2W	2.2W	2.2W
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TDP-xxB-S (Xx) - Voltage	150mA	10+10KA	100mA																							
Signal Data Attenuation Frequency Response	3dB @ 600W terminations <5MHz																									
Physical Dimensions Weight Mounting	125mm(W) x 35mm (D) x 25mm (H) 70 Grams Din Support																									

Model	Interface			Protection characteristics (Max. Clamping voltages)				Nominal capacitance		Series Resistance (Loop)
	Peak Signal Voltage	Max Data Rate	L-L L-G	5KA (8/20ms & 100kv/ms)		1KA (8/20ms & 500v/ms)		L-L L-G	L-L L-G	
				L-L	L-G	L-L	L-G			
	Volts	Mhz		Volts		Volts		pF	ohm	
TDP-6xx	8	8	10	45	45	30	30	140	140	4
TDP-12xx	15	15	10	57	57	52	52	120	120	4
TDP-24xx	30	30	10	65	65	60	60	110	110	4
TDP-48xx	58	58	10	78	78	72	72	240	240	16

All specifications subject to change without notice.

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