DATA SHEET Coaxial SPD for Analog Video Surveillance Systems RayCox BNC Series C1•C2•C3



IEC/EN Category: C1/C2/C3 Surge Discharge Ratings: I_n: 10kA, I_{max}: 20kA Voltages: 10, 24 VDC Max. Operating Voltage: 12, 24 VDC Frequency Range: 100 MHz Series Load Current: 100mA Enclosure: In-line Installation Termination: BNC Connectors Housing: Shielded Enclosure Compliance: IEC/EN 61643-21



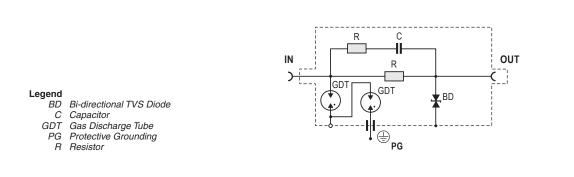
Technical Data

BNC			BNC 5	BNC 12
Electrical				
Nominal Operating Voltage (DC)		U _n	10V	24V
Maximum Continuous Operating Voltage (DC)		U _c	12V	28V
Rated Operating Current at 25°C		I _L	100 mA	
C2 Nominal Discharge Current (8/20µs)		I _n	10kA	
Maximum Discharge Current (8/20µs)		I _{max}	20kA	
Residual Voltage at 5 kA (8/20µs)	(Wire-Shield)	U _{res}	<35V	<65V
Rated Spark Overvoltage	(Wire-Shield)		13.5V-16.5V	30V-36V
	Shield-Ground)		72V-108V	72V-108V
Response Time Overvoltage Protection	(Wire-Shield)	t _A	<10ns	
	Shield-Ground)		<100 ns	
Insulation Resistance of Protection	(Wire-Shield)	R _{iso}	≥12MΩ	≥28 MΩ
	Shield-Ground)		≥1GΩ	
Serial Resistance per Path		R	9-11Ω	
Transverse Capacitance	(Wire-Shield)	С	30 pF	
	Shield-Ground)		1 pF	
Cut-off Frequency		f _G	100 MHz	
Transmission Rate			16 Mbit/s	
Mechanical				
Temperature Range			-40 °F to +176 °F [-40 °C to +80 °C]	
Connection			BNC Connector	
Degree of Protection IEC/EN 60529			IP20 (built-in)	
Housing Material			Metal	
Order Information				
Order Code			BNC 5	BNC 12
BNC xx			7050.22	7050.13

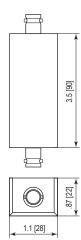


RayCox BNC Series

Internal Configuration



Dimensions & Packaging



BNC	BNC 5	BNC 12
Dimensions		
Weight per Unit	2.04 oz [58 g]	
Packaging Dimensions (Single Unit)	5.5 × 7.9" [140 × 200 mm]	

inches [mm]

Information contained in this document is subject to change at any time without notice.



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