

Features

- Protects subscribers and equipment from destructive power crosses and lightning surges
- Compact size fits subscriber network interface devices
- Reduces frequency of service calls
- Increases reliability of network operation

1740 Series – Coaxial Surge Protector

- Reduces cost of network maintenance
- Listed per 497 C
- Patent # 5,508,873 (U.S.); #2,169,604 (Canada)

75 Ohm Powered & Unpowered Coax DC to >1 GHz

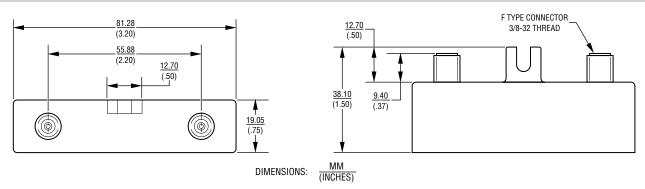
The Bourns 1740 Series of Primary Broadband Coaxial Surge Protectors is designed for Network and other high frequency applications. The 1740 Series provides protection against surges on 75 ohm coax subscriber drops and has a fail-short mechanism in the event of dangerous power-crosses. The protector will pass bidirectional signals over the bandwidth from DC to in excess of 1 Ghz. Its cast-metal housing and environmentally sealed design will withstand the toughest Outside Plant applications.

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Min. Band Width/Frequency Characteristics Connectors, Input & Output		DC to 1.25 GHz
Characteristic Impedance		
Transmission/Insertion Loss (Max.)		
Return Loss (Max.)		
VSWR (Max.)		
Min Fail-Short, Power Cross & Sustained		
60 Hz Current Capability		
1000 Vrms Open-Circuit Voltage, 25 °C		15 minutes
	60 Arms Line to Ground	5 seconds
	120 Arms Line to Ground	5 seconds
	350 Arms Line to Ground	
Capacitance		
Insulation Resistance		>108 Ω
Operating Temperature	40 °C to 65 °C (-40 °F to 149 °F	F)40 °C to 65 °C (-40 °F to 149 °F)
Storage Temperature	55 °C to 85 °C (-67 °F to 185 °F	F)55 °C to 85 °C (-67 °F to 185 °F)

	SURGE PROTECTION CHARACTERISTICS							IMPULSE RESET
Model No. DC Breakdown @ 100 V/Sec (Volts)			Service Life, Lightning		Service Life, AC, 60 Hz			52.5 Vdc
	Typical Impulse Breakdown @ 100 V/μs (Volts)	100 A 10/1000 μs (Operations)	5 kA 8/20 μs (Operations)	20 kA 8/20 μs (Operations)	5 A 1000 Vac 1 sec (Operations)	10 A 1000 Vac 1 sec (Operations)	@ 260 mA 135 Vdc @ 200 mA (Millisec)	
1740-15	150 ±20 %	350	1000	10	1	20	10	<150
1740-23	230 ±20 %	450	1000	10	1	20	10	<150
1740-35	350 ±20 %	650	1000	10	1	20	10	<150

Product Dimensions



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Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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