

General

SMC Metal Oxide Surge Arrestors provides surge protection for AC and DC distribution systems in transit, industrial and mining applications. The Arrestors are designed to be mounted with the metal cap pointed up on: rectifiers, substations, DC feeders, on catenary poles, at the power rail, or on a vehicle. The unit shall be mounted as close as possible to the device it is protecting with the Positive bus connected to the nonmetallic end away from the mounting bracket. The arrestor should be connect-ed to an appropriate sized conductor for anticipated surges. Arrestor selection is based on maximum continuous operating voltage (MCOV). When grounded, connection should be less than 5 Ohms.

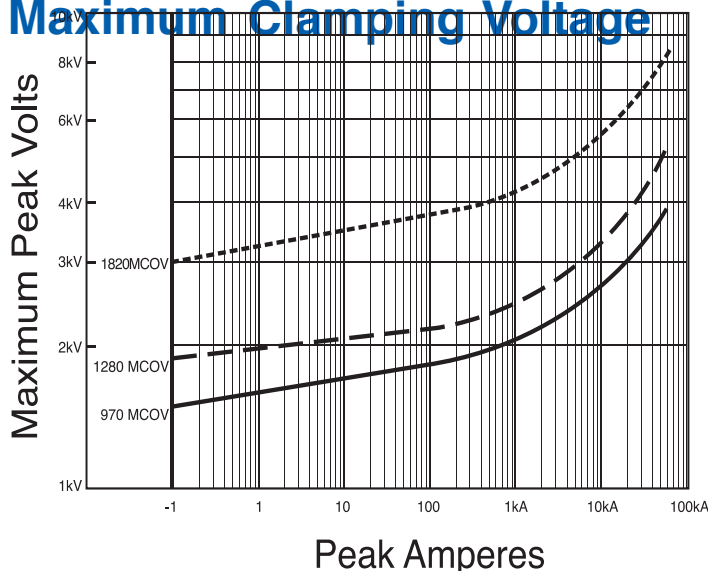


Model 6007-004

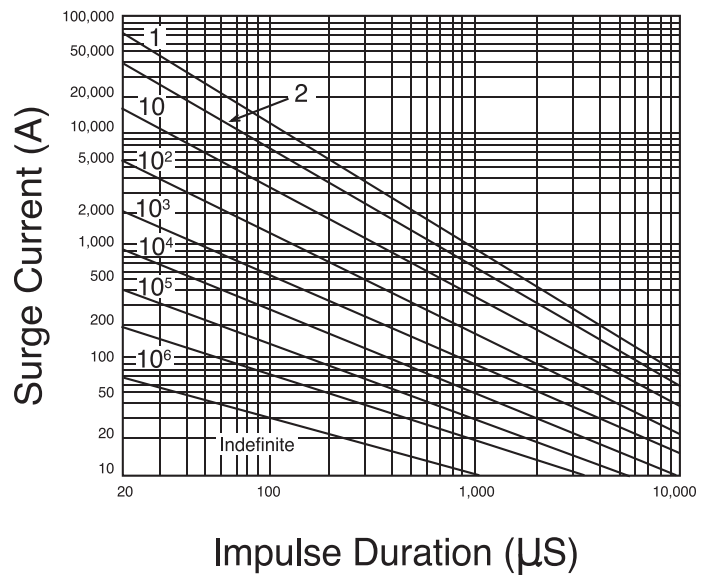
Description

The Surge Arrestors utilize metal oxide technology, that has been proven in station and intermediate class ar-restors. They are designed to operate in temperatures not exceeding 60°C. The arrestor housing is manu-factured of impact resistance UV stabilized polyester glass compounds with the element encapsulated. The element's encapsulated area also has a high dielectric sleeve for added protection. The unit is sealed with a stainless steel cap. The connecting studs and mount-ing hardware are manufactured from corrosion resis-tance stainless steel. Energy discharge capacity is 2.6 kJ/kV for current < 500 A.

Maximum Clamping Voltage

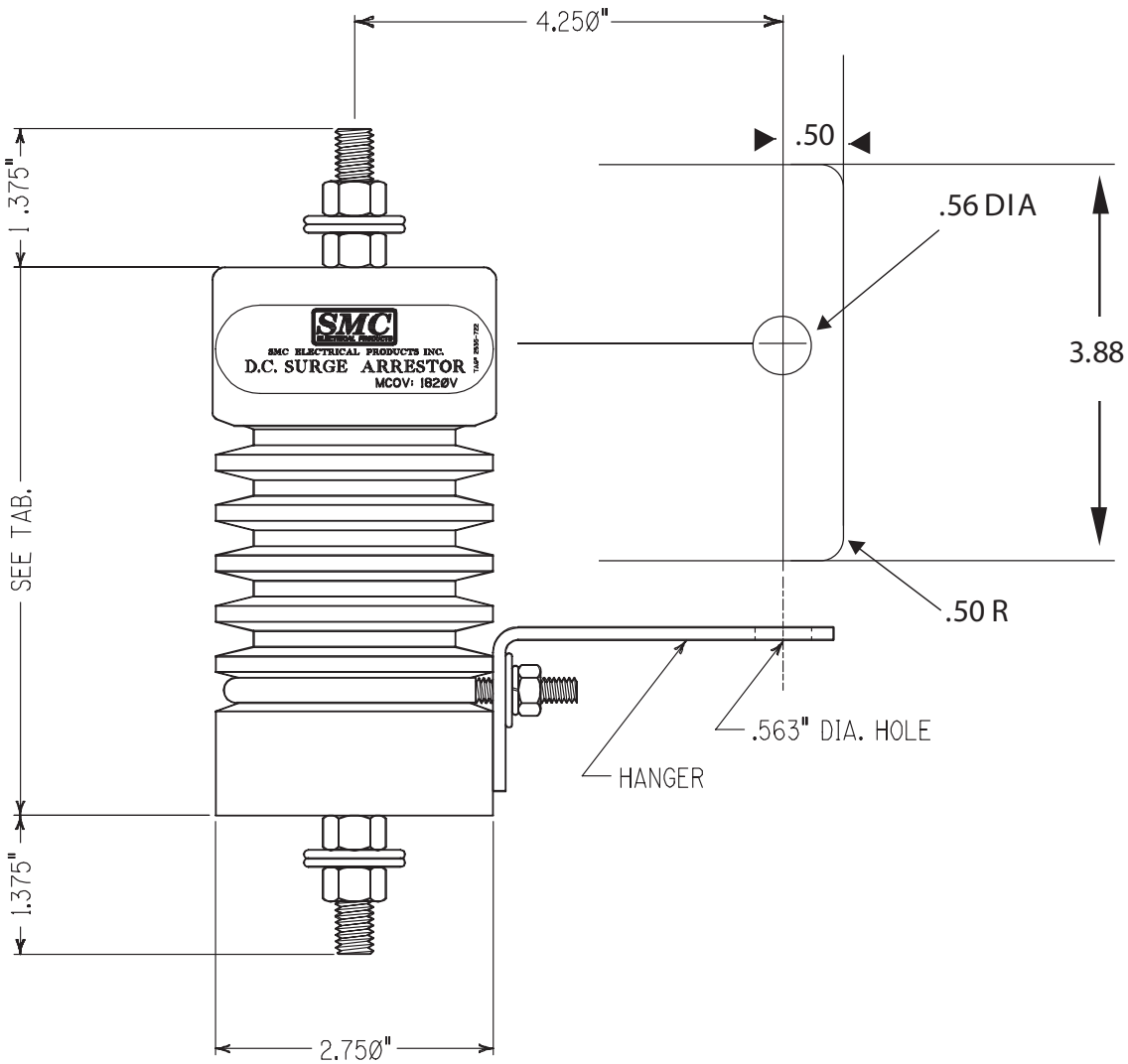


Impulse Duration Curves



Surge Arrestor Dimensions

No unauthorized modification to arrester case or arrester case wiring.



Part Number	MCOV-DC	MCOV-AC	Max Clamping Volts at 200 A (8/ 20 ns)	Dim. A
6007-003	970	750	1880	5.4"
6007-004	1820	1410	3520	5.6"
6007-006	1280	960	2320	5.4"