OSI OPEN CIRCUIT PROTECTION MODEL OCP-35

OPEN CIRCUIT PROTECTION FOR CURRENT TRANSFORMERS

5 YEAR WARRANTY

2011/65/EU RoHS COMPLIANT

DESCRIPTION

The OCP-35 design provides protection from the dangerously high voltages (≥100V) that can be generated by open circuit current transformer secondaries. If secondary voltage rises above approximately 35Vpk the OCP-35 quickly clamps it to a non-destructive level of less than 1.5V. Clamping continues until the next zero crossing at which time it resets or clamps again if high voltage is still present. Both positive and negative half-cycles of a sinewave are clamped. In normal operation the OCP-35 creates negligible leakage current and does not introduce phase or ratio errors.

SPECIFICATIONS

INPUT

Current	Range	0-5A
	Overrange	Continuous10A
Frequency	Range	20-500Hz
Leakage Current	Typical @ 25°C	0.05mA

PROTECTION

Breakover Voltage	Typical	35Vpk
	Range	33-43Vpk
Clamping Voltage	Typical	1V
	Maximum	1.5V
Response		25µs

TEMPERATURE

Operating Range	-40°C to 65°C

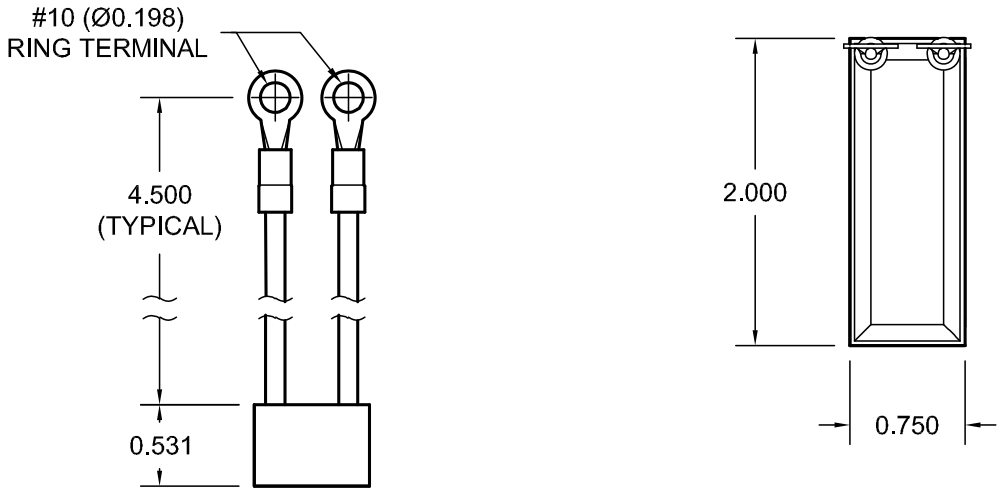
PHYSICAL

Lead Length	4.5 in. Typical, 16AWG
Termination	#10 Ring Terminals
Weight	Typical 1 oz

NOTE: CONNECTIONS ARE NOT POLARIZED.

DIMENSIONS AND CONNECTIONS

DIMENSIONS IN INCHES. TOLERANCE IS ±0.03 IN.



Dwg# 0902-01089-A Rev--

OHIO SEMITRONICS, INC.
4242 REYNOLDS DRIVE * HILLIARD, OHIO * 43026-1264
PHONE: (614) 777-1005 * FAX: (614) 777-4511
WWW.OHIOSEMITRONICS.COM * **1-800-537-6732**