

Keithley Instruments, Inc.

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<http://www.keithley.com>**Protection Module  
Characteristics****CONDITIONS**

This document contains specifications and supplemental information for the Model 2657A-PM-200 Protection Module. Specifications are the standards against which the Model 2657A-PM-200 is tested. Upon leaving the factory, the Model 2657A-PM-200 meets these specifications. Characteristics, supplemental characteristics, and typical values are not warranted, apply at 23 °C ± 5 °C, < 70 percent relative humidity, and are provided solely as useful information.

**CHARACTERISTICS**

<b>Leakage</b>	< 10 pA at 200 V typical
<b>DC current carrying capability</b>	1.5 A in unclamped condition
<b>Pulsed current carrying capability</b>	10 A maximum at 1% duty cycle in unclamped condition
<b>Maximum protection active current</b>	Current must be limited to <120 mA in clamped condition (~230 V)
<b>Protection voltage</b>	220 VDC minimum 230 VDC typical 240 VDC maximum
<b>LO to GND voltage</b>	30 VDC typical
<b>Dimensions</b>	4.75 in. long x 3.22 in. wide x 1.15 in. high (120.65 mm high x 81.88 mm wide x 29.21 mm high)
<b>Weight</b>	0.50 lb (0.22 kg)

**SPECIFICATIONS**

<b>Module connectors</b>	Three 3-lug high-voltage triaxial connectors Three 3-lug standard triaxial connectors Two screw terminals for ground cables
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**GENERAL**

<b>Warranty</b>	1 year
<b>Safety</b>	Listed to UL61010-1:2004 Conforms to European Union Low Voltage Directive

**ACCESSORIES:**

Model number	Supplied	Optional	Description
SHV-CA-553-1 SHV-CA-553-2 SHV-CA-553-3		x x x	High-voltage triaxial to SHV cable 3.3 ft, 6.6 ft, 9.8 ft (1.0 m, 2.0 m, 3.0 m)
HV-CA-554-.5 HV-CA-554-1 HV-CA-554-2 HV-CA-554-3		x x x x	High-voltage triaxial cable 1.6 ft, 3.3 ft, 6.6 ft, 9.8 ft (0.5 m, 1.0 m, 2.0 m, 3.0 m)
CA-568-12 CA-568-18 CA-568-120	2	x x x	Protective earth (safety ground) cable 12 in., 18 in., 120 in. (30.48 cm), 45.72 cm, 304.8 cm)
237-TRX-T		x	Male triaxial to dual female triaxial tee adapter
4200-TRX-0.3 4200-TRX-1 4200-TRX-2 4200-TRX-3		x x x x	Standard triaxial cable 1 ft, 3.3 ft, 6.6 ft, 9.8 ft (0.3 m, 1.0 m, 2.0 m, 3.0 m)
4200-MTRX-1 4200-MTRX-2 4200-MTRX-3		x x x	Miniature triaxial cable 3.3 ft, 6.6 ft, 9.8 ft (1.0 m, 2.0 m, 3.0 m)