



## PRODUCT SPECIFICATION

**MODEL:** V15LPG

**PRODUCT CODE:** 4615

**DESCRIPTION:** SURGE PROTECTION DEVICE

- Withstands high surges with fast response time
- Low cost
- Easy installation

The V15LPG Surge Protection Device is a low cost coupling that safeguards video equipment against induced transients from voltage surges. The unit is easily installed between the video-in BNC connector on video components and the mating BNC connector on the coaxial cable coming from video sources. Since only inputs exposed to the threat of voltage surges require a V15LPG, additional expense for unexposed inputs is eliminated. The shell of the V15LPG can be earth grounded with the attached grounding clamp.

The surge protector consists of male and female BNC connectors, two PN silicon transient suppressors, and rectifier diodes. The PN silicon device combines the ability of a Zener diode to withstand high surges of current with fast response time. Transient surges trigger the suppressor to shunt the surge to the shield of the coaxial cable. The surge is then safely dissipated to ground. The inclusion of rectifier diodes in the V15LPG reduces the capacitance of the unit, eliminating any reduction of signal quality.

NOTES	SPEC NO.	REV.	SEC.
SUPERSEDES PRODUCT SPECIFICATION 410-295	410	695	12



V15LPG SURGE PROTECTION DEVICE

### TECHNICAL INFORMATION

#### ELECTRICAL

**Peak Pulse Power Dissipation:** 1500 W at 77° F (25° C) at 1 ms.

**Response Time (0 volts to clamping):** Less than 5 nanoseconds.

**Repetition Rate (Duty Cycle):** 0.05%.

**Capacitance:** 250 pF.

#### MECHANICAL

**Connectors:** Male and female BNCs.

**Dimensions:** Diameter: 0.57 in. (1.4 cm).  
Length: 2.375 in. (6.0 cm).  
Width (including grounding screw): 1.0 in. (2.5 cm).

**Weight:** 0.09 lb (0.04 kg).

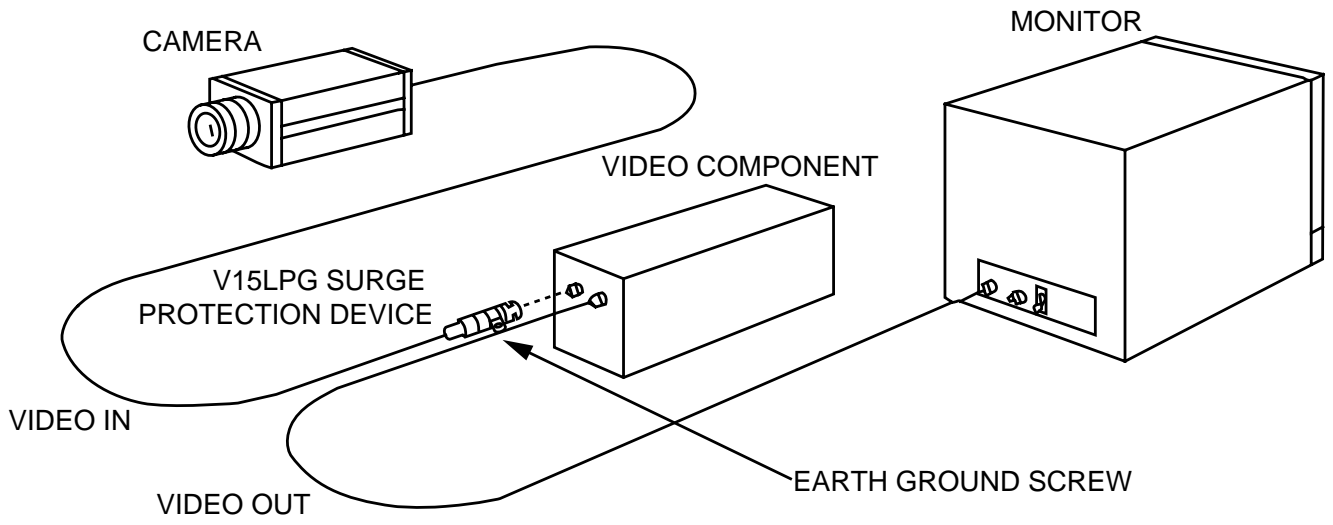
## CONTRACTORS' SPECIFICATION

### ELECTRICAL SURGE PROTECTION DEVICE

The surge protection device shall be an in-line device to limit the effects of electrical surges on television equipment connected with coaxial cable. Peak pulse power dissipation shall be 1500 W at 77° F (25° C) (0 volts to clamping). External dimensions shall not exceed 0.6 in. (1.5 cm) in diameter by 2.4 (6.1 cm) in length and 1.0 in. (2.5 cm) in width including grounding screw. Connectors shall consist of one female and one male BNC. The surge protection device shall be Vicon model V15LPG.

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**Figure 1**  
**V15LPG Installation Diagram**