

LVSP SURGE SUPPRESSION FUSE

600 Vac • 5-100 kA

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Description

The Littelfuse® Varistor Protection (LVSP) Fuses are intended for the protection of TVSS products. The LVSP series has been designed to survive the 8 x 20 μs lightning surges described in various standards (UL 1449, IEC 61000-4-5 and IEEE C62.41) without opening. This allows the TVSS to perform the necessary suppression. The LVSP is not rated for continuous current and the ratings are specific 8 x 20 μs surge capability. The LVSP series can be used to facilitate TVSS module compliance to UL 1449 in permanently connected applications (abnormal overvoltage, unlimited current conditions).

Features/Benefits

- Very current limiting under AC short-circuit conditions
- Available in multiple mounting configurations (cartridge, bolt-in, PC board mount)
- Provides short circuit protection in TVSS systems and complements the Littelfuse line of overvoltage products (HA, HB34, TMOV® and iTMOV® varistors as well as the AK-10 series TVS diodes)

Applications

- TVSS products
- Surge arrestors

Recommended Fuse Blocks

LVSP (5-20)-2

L60030M (open block).....	101
LFPSM (dead front)	110

LVSP (30-80)-2

LFJ60030 (open block).....	85
LFPSJ30 (dead front).....	111

LVSP (100)

LFJ60100 (open block).....	85
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Web Resources

Download other technical information:
littelfuse.com/lvsp

Specifications

Voltage Rating	600 Vac
Interrupting Rating	200 kA
Ratings	5 – 100 kA 8 x 20 μs surge withstand
Approvals	UL Recognized (File: E71611)
Environmental	RoHs Compliant

Electrical Specifications

CATALOG NUMBER	8 X 20 μS SURGE RATING	NOMINAL MELTING I ² T (A ² S)	NOMINAL CLEARING I ² T (A ² S)	I _{peak} @100 kA 60 HZ (A)
LVSP5	5,000	359	981	3,700
LVSP10	10,000	1,300	3,210	5,823
LVSP15	15,000	3,267	6,235	7,765
LVSP20	20,000	4,940	11,710	8,135
LVSP30	30,000	11,950	35,325	12,478
LVSP40	40,000	20,550	61,700	15,250
LVSP60	60,000	39,240	145,555	19,604
LVSP80	80,000	75,000	254,000	24,600
LVSP100	100,000	Contact Factory		

Ordering Information

SURGE RATING	CATALOG/ORDERING NUMBER					
	CARTRIDGE		LEADED		BOLT-IN	
5	LVSP52	LVSP0005TX2	LVSP5R	LVSP0005TXR	–	–
10	LVSP102	LVSP0010TX2	LVSP10R	LVSP0010TXR	–	–
15	LVSP152	LVSP0015TX2	LVSP15R	LVSP0015TXR	–	–
20	LVSP202	LVSP0020TX2	LVSP20R	LVSP0020TXR	–	–
30	LVSP302	LVSP0030TX2	–	–	LVSP30	LVSP0030T
40	LVSP402	LVSP0040TX2	–	–	LVSP40	LVSP0040T
60	LVSP60-2	LVSP0060TX2	–	–	LVSP60	LVSP0060T
80	LVSP802	LVSP0080TX2	–	–	LVSP80	LVSP0080T
100	–	–	–	–	LVSP100-L	LVSP0100VXL

Dimensions Inches (mm)

