

## LSD-series

## SURGE DIVERTER

### Power DC Surge Protector



- For 48 Vdc - 500 Vdc DC and PV system
- Easy installation for MDB and load center location
- Parallel installation with main power system
- No effect to load or main power
- All TVSS protection mode ; POS.-NEG., POS.-EARTH, NEG.-EARTH
- LED protected status indicator
- LED replaced indicator with alarm solid state contact 0.1A/350V<sub>p</sub>
- Response time is less than 25 nsec.
- Low let-through voltage is 250 - 1400 V
- Surge capability  $I_{max} = 20 \text{ kA}$  (8/20  $\mu\text{s}$ ) (40 kA optional)
- High MCOV is 150 - 750 Vdc
- Accordance with ANSI/IEEE C62.41-1991 and ANSI/IEEE C62.42-2000

#### APPLICATIONS

- Telecommunication Site
- Solar Water Pump System
- Stand-alone Solar Power System
- PV-Grid Connected System

SPECIFICATIONS	LSD150-20kA	LSD250-20kA	LSD450-20kA	LSD600-20kA	LSD750-20kA
ELECTRICAL SYSTEM	POS.(+), NEG(-), EARTH (DC and PV system)				
NOMINAL VOLTAGE	48 / 72 V	120 V	240 V	400 V	500 V
MAXIMUM VOLTAGE	150 V	250 V	450 V	600 V	750 V
APPLICATION RANGE	40 -150 V	100 - 250 V	200 - 450 V	400 - 600 V	500 - 750 V
LET THROUGH VOLTAGE	250 V	500 V	750 V	1400 V	1400 V
SURGE ENERGY DISSIPATION	1,460 joules	2,360 joules	4,700 joules	7,700 joules	7,700 joules
SURGE CAPABILITY ( $I_{max}$ )(8/20 $\mu\text{s}$ )	20 kA (40 kA is optional)				
TVSS PROTECTION MODE	POS.-NEG., POS.-EARTH, NEG.-EARTH				
LOCATION CATEGORY	ANSI/IEEE C62.41-1991: CAT A1, A2, A3, B1, B2, B3, C1, C2				
AMBIENT TEMPERATURE	- 40 to 60 °C				
DIMENSIONS (W x H x D) (mm.)	38 x 215 x 82				44 x 251 x 106

- Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.  
 - Product Liability Insurance for products that use in Thailand.

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