



Radial-leaded MOVs provide overvoltage protection in electronic applications



Eaton's Bussmann™ series radial-leaded metal oxide varistors (MOV) provide high surge overvoltage protection in a wide variety of applications and help meet end product standards. They are available in disc sizes and a high surge option from 7 mm to 20 mm to help balance footprint and surge protection needs.

Product description

Eaton's Bussmann™ series radial-leaded metal oxide varistors (MOV) provide high surge overvoltage protection in a wide variety of applications and help meet end product standards. These products offer high surge overvoltage protection in a wide variety of applications to meet end-product standards. They are offered in disc sizes from 7 mm to 20 mm, balancing footprint and surge protection needs. In addition, Eaton's MOVHE provides higher surge protection in the same disc sizes as the standard MOV. Eaton's MOV/MOVHE are offered in working voltages from 130 Vac to 680 Vac. Applications for Eaton's MOV/MOVHE include smart meters, surge protection devices, uninterruptible power supplies (UPS), power distribution with integrated surge protection, and more.

Features and benefits

- Radial leaded metal oxide varistor (MOV)
- Multiple disc sizes to optimize performance, size, and cost
- High surge option available
- Provides high-reliability surge protection
- Maximizes peak surge current rating in the same footprint



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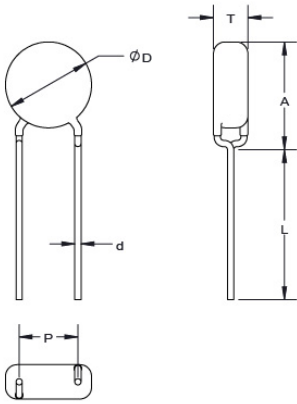
Product specifications

| Family | Disc size (mm) | Maximum operating voltage (V_{RMS}) | Maximum energy 10/1000 μs (J) | Maximum surge current 8/20 μs 1 time (A) | Maximum capacitance (pf) |
|--------------|----------------|---|------------------------------------|---|--------------------------|
| MOV | | | | | |
| MOV07 | 07 | 130 to 510 | 13 to 52 | 1200 | 250 |
| MOV10 | 10 | 130 to 625 | 30 to 102 | 2500 | 500 |
| MOV14 | 14 | 130 to 625 | 57 to 190 | 4500 | 1000 |
| MOV20 | 20 | 130 to 680 | 95 to 383 | 6500 | 2000 |
| MOVHE | | | | | |
| MOVHE07 | 07 | 130 to 510 | 17 to 73 | 1750 | 250 |
| MOVHE10 | 10 | 130 to 625 | 35 to 140 | 3500 | 500 |
| MOVHE14 | 14 | 130 to 625 | 70 to 280 | 6000 | 1000 |
| MOVHE20 | 20 | 130 to 680 | 140 to 620 | 10,000 | 2000 |

Dimensions- mm

Drawing not to scale

Y kink



Dimensions table

| Family | D max | P \pm 0.5 | d \pm 0.5 | L \pm 0.5 (Bulk) | L \pm 1 (Ammo) | A max |
|--------------|-------|-------------|-------------|--------------------|------------------|-------|
| MOV | | | | | | |
| MOV07 | 9.0 | 5.0 | 0.6 | 3.5 | 17.5 | 14.0 |
| MOV10 | 12.5 | 7.5 | 0.8 | 3.5 | 17.5 | 18.0 |
| MOV14 | 16.5 | 7.5 | 0.8 | 3.5 | 17.5 | 22.5 |
| MOV20 | 22.5 | 10.0 | 1.0 | 3.5 | 17.5 | 31.0 |
| MOVHE | | | | | | |
| MOVHE07 | 9.0 | 5.0 | 0.6 | 3.5 | 17.5 | 14.0 |
| MOVHE10 | 12.5 | 7.5 | 0.8 | 3.5 | 17.5 | 18.0 |
| MOVHE14 | 16.5 | 7.5 | 0.8 | 3.5 | 17.5 | 22.5 |
| MOVHE20 | 22.5 | 10.0 | 1.0 | 3.5 | 17.5 | 31.0 |

See data sheets for full specifications.

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