

**20mm MOV Assemblies**

| MAXIMUM RATINGS |                     |                                        |                            |                                |                                                | ELECTRICAL CHARACTERISTICS         |       |                                                                    |                                          |      |
|-----------------|---------------------|----------------------------------------|----------------------------|--------------------------------|------------------------------------------------|------------------------------------|-------|--------------------------------------------------------------------|------------------------------------------|------|
| P/N             | MOVS<br>PER<br>ASSY | CONTINU-<br>UOUS<br>AC LINE<br>VOLTAGE | TRANSIENT                  |                                |                                                | VARISTOR<br>VOLTAGE<br>(@ 1 mA DC) |       | MAXIMUM<br>CLAMPING<br>VOLTAGE @<br>TEST<br>CURRENT<br>(8 x 20 μs) | TYPICAL<br>CAPACI-<br>TANCE<br>(@ 1 kHz) |      |
|                 |                     |                                        | ENERGY<br>(10 x<br>1000μs) | PEAK<br>CURRENT<br>(8 x 20 μs) | MAXIMUM<br>POWER<br>DISSIPATION<br>RATING (Pm) |                                    |       |                                                                    |                                          |      |
|                 |                     |                                        |                            |                                |                                                | MIN                                | MAX   |                                                                    |                                          |      |
|                 |                     | VOLTS                                  | JOULES                     | AMP                            | Pm – WATTS                                     | VOLTS                              | VOLTS | VOLTS                                                              | AMP                                      | pF   |
| CS811           | 1                   | 120                                    | 65                         | 6500                           | 1.0                                            | 170                                | 207   | 320                                                                | 100                                      | 2500 |
| CS821           | 1                   | 240                                    | 130                        | 6500                           | 1.0                                            | 354                                | 432   | 650                                                                | 100                                      | 920  |
| CS831           | 3                   | 240                                    | 130                        | 6500                           | 1.0                                            | 354                                | 432   | 650                                                                | 100                                      | 920  |
| CS841           | 3                   | 480                                    | 180                        | 6500                           | 1.0                                            | 679                                | 829   | 1240                                                               | 100                                      | 800  |
| CS851           | 3                   | 575                                    | 220                        | 6500                           | 1.0                                            | 621                                | 1002  | 1500                                                               | 100                                      | 670  |
| CS861           | 4                   | 240                                    | 130                        | 6500                           | 2.0                                            | 340                                | 414   | 640                                                                | 100                                      | 1250 |
| CS871           | 4                   | 480                                    | 260                        | 6500                           | 2.0                                            | 708                                | 864   | 1300                                                               | 100                                      | 460  |
| CS881           | 4                   | 575                                    | 300                        | 6500                           | 2.0                                            | 850                                | 1036  | 1580                                                               | 100                                      | 365  |

Note: Values shown above represent typical line-to-line or line-to-ground characteristics based on the ratings of the original MOVs. Values may differ slightly depending upon actual Manufacturer Specifications of MOVs installed in modules. Modules are manufactured utilizing UL-Listed and Recognized Components. Consult factory for CSA information.

## MOV MODULES

### PART NUMBER GUIDE

CS8 X X X X

HVPSI MOV MODULE

SUPPLY VOLTAGE

- 1 – 1 $\emptyset$ , 1 MOV, 120V
- 2 – 1 $\emptyset$ , 1 MOV, 240V
- 3 – 3 $\emptyset$ , 3 MOV, 240V
- 4 – 3 $\emptyset$ , 3 MOV, 480V
- 5 – 3 $\emptyset$ , 3 MOV, 575V
- 6 – 3 $\emptyset$ , 4 MOV, 240V
- 7 – 3 $\emptyset$ , 4 MOV, 480V
- 8 – 3 $\emptyset$ , 4 MOV, 575V

MOV DIA.

- 1 – 20mm
- 2 – 14mm
- 3 – 10mm
- 4 – 7mm

TERMINATION

- 1 – 12" WIRE LEAD
- 2 – THREADED POST
- 3 – 1/4" MALE QUICK DISC.
- 4 – SCREW TERMINAL

CASE

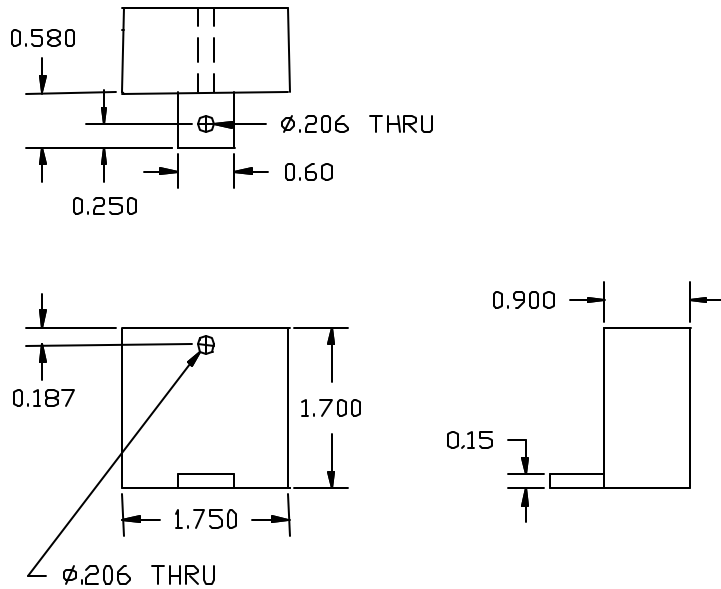
- A – SINGLE FOOT
- B – DOUBLE FOOT
- C – CENTER MOUNT
- D – DEEP CASE
- E – SMALL DOUBLE FOOT

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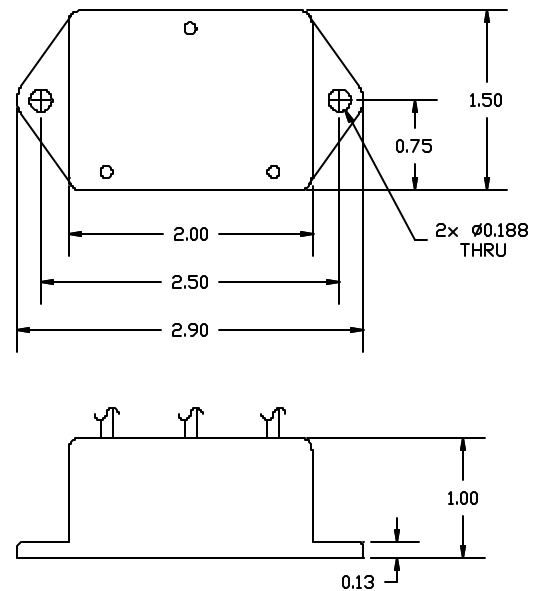


## MECHANICAL DIMENSIONS

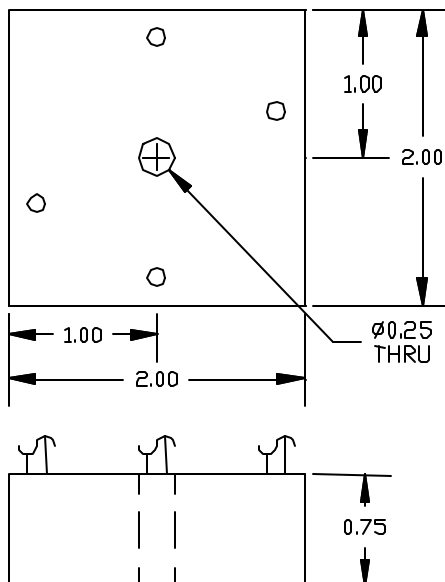
**A Package**



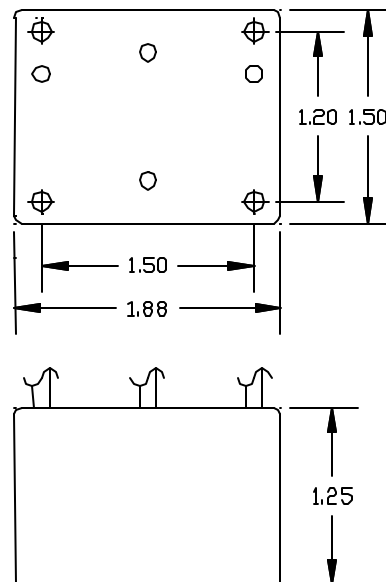
**B Package**



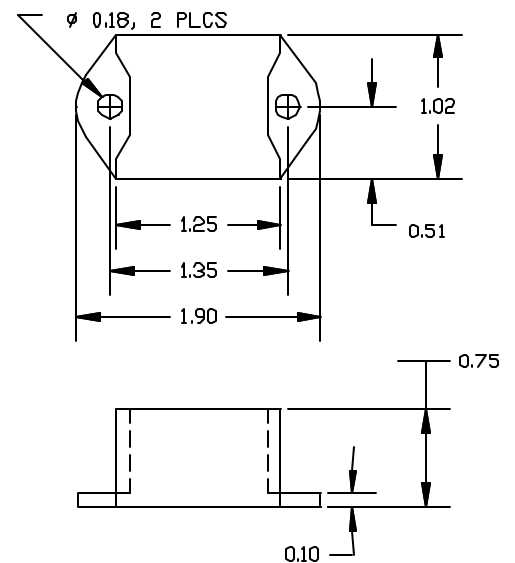
**C Package**



**D Package**



**E Package**



Dimensions in Inches.  
Standard line wires are 12" 18 AWG white wires.  
Standard ground wire is 12" 18 AWG green wire.