

## NTE15005E thru NTE15023E Integrated Circuit Protector

### Description:

The IC Protector (ICP) is an overcurrent protection device having stable and high-speed circuit tripping characteristics which enables these devices to shut off the circuit quickly and safely. This quick shut-off response protects valuable semiconductor devices and circuits from common load short-circuit failures.

### Features:

- Precise and extremely stable cut-off characteristics
- Small internal resistance with low voltage drop
- Nonflammable
- Compact

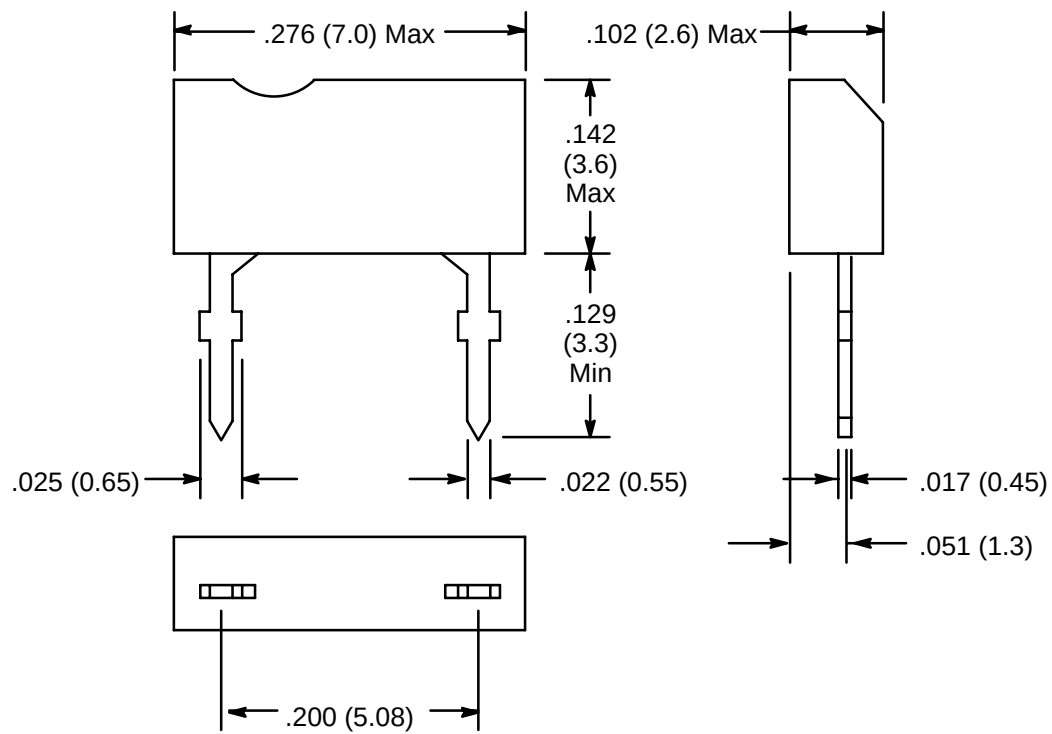
### Applications:

- Overcurrent protection

### Electrical Characteristics:

| NTE Type Number | Diagram Number | Case Style | Maximum Rated Voltage (Volts) | Maximum Rated Current (Amps) | Typical Internal Resistance ( $\Omega$ ) | Operating Temperature ( $^{\circ}\text{C}$ ) | Storage Temperature ( $^{\circ}\text{C}$ ) |
|-----------------|----------------|------------|-------------------------------|------------------------------|------------------------------------------|----------------------------------------------|--------------------------------------------|
|                 |                |            |                               |                              |                                          | T <sub>opr</sub>                             | T <sub>stg</sub>                           |
| 15005E          | 480            | "F" Type   | 50                            | 0.4                          | 0.220                                    | -55 to +125                                  | -55 to +125                                |
| 15006E          | 480            | "F" Type   | 50                            | 0.6                          | 0.135                                    | -55 to +125                                  | -55 to +125                                |
| 15007E          | 480            | "F" Type   | 50                            | 0.8                          | 0.100                                    | -55 to +125                                  | -55 to +125                                |
| 15008E          | 480            | "F" Type   | 50                            | 1.0                          | 0.070                                    | -55 to +125                                  | -55 to +125                                |
| 15009E          | 480            | "F" Type   | 50                            | 1.5                          | 0.042                                    | -55 to +125                                  | -55 to +125                                |
| 15019E          | 481            | "N" Type   | 50                            | 0.25                         | 0.350                                    | -55 to +125                                  | -55 to +125                                |
| 15020E          | 481            | "N" Type   | 50                            | 0.4                          | 0.220                                    | -55 to +125                                  | -55 to +125                                |
| 15021E          | 481            | "N" Type   | 50                            | 0.6                          | 0.135                                    | -55 to +125                                  | -55 to +125                                |
| 15022E          | 481            | "N" Type   | 50                            | 0.8                          | 0.100                                    | -55 to +125                                  | -55 to +125                                |
| 15023E          | 481            | "N" Type   | 50                            | 1.0                          | 0.070                                    | -55 to +125                                  | -55 to +125                                |

**Diagram480**  
("F" Type)



**Diagram481**  
("N" Type)

