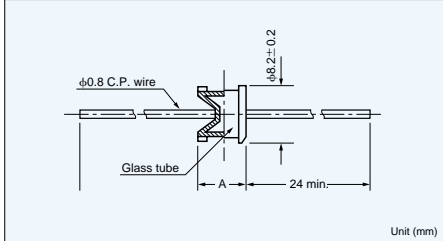


# M2P type

A glass tube is sealed at both side by electrodes, and inside of it is filled up by inert gas.

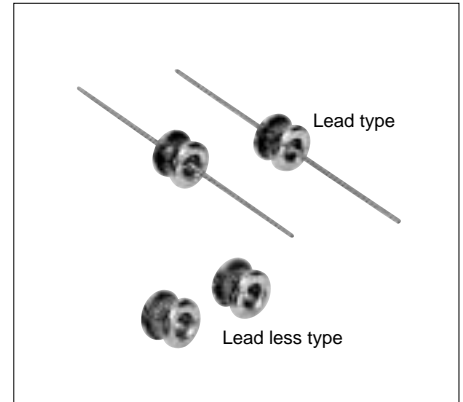
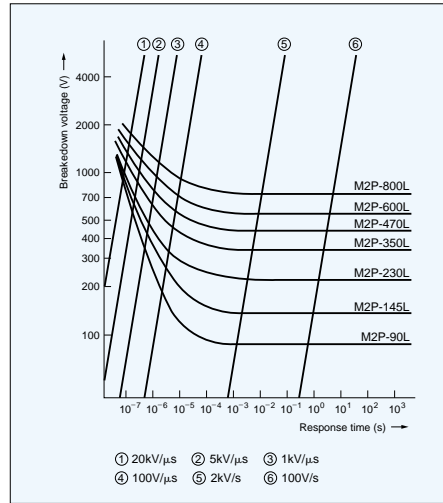
## Dimensions



| Dimension A |          |          |          |          |          |          |
|-------------|----------|----------|----------|----------|----------|----------|
| M2P-90L     | M2P-145L | M2P-230L | M2P-350L | M2P-470L | M2P-600L | M2P-800L |
| 6.1±0.2     | 6.1±0.2  | 6.6±0.3  | 6.6±0.3  | 6.6±0.3  | 6.6±0.3  | 7.6±0.3  |

Unit (mm)

## V-t Characteristics



## Specifications

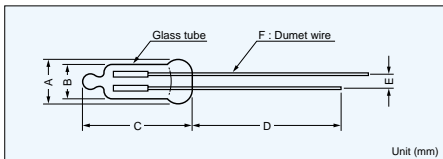
| Part No. | DC Breakdown Voltage (100V/s) | Impulse Breakdown Voltage (5kV/μs) | Maximum Single Impulse Discharge Current (8/20μs) | Impulse Life (10/1000μs) | Insulation Resistance (DC 100V or 50V) | Capacitance (1kHz) |
|----------|-------------------------------|------------------------------------|---|--------------------------|--|--------------------|
| M2P-90L  | 90V ±20%                      | 1000V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| M2P-145L | 145V ±20%                     | 1000V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| M2P-230L | 230V ±15%                     | 1000V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| M2P-350L | 350V ±15%                     | 1500V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| M2P-470L | 470V ±15%                     | 1500V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| M2P-600L | 600V ±15%                     | 2500V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| M2P-800L | 800V ±15%                     | 2500V max.                         | 3000A ×2 times                                    | 500A ×100 times          | 10 <sup>4</sup> MΩ min.                | 2pF max.           |

● Suffix : shows lead type and no-suffix shows leadless type

# GTA type

Electrodes are set in a sealed glass, and inert gas is filled inside.

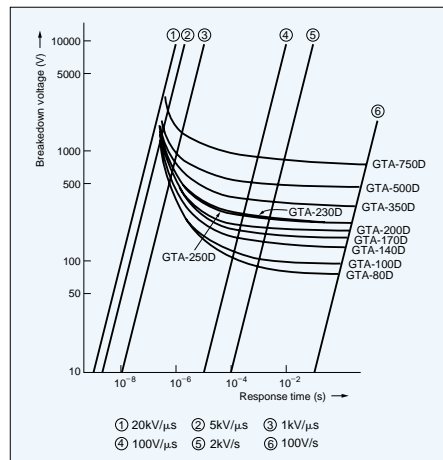
## Dimensions



|   | GTA-80D~GTA-500D | GTA-750D,800D |
|---|------------------|---------------|
| A | 6.4max.          | 7.0max.       |
| B | φ5.85 ±0.3       | φ6.5 ±0.3     |
| C | 19max            | 19max         |
| D | 25min.           | 25min.        |
| E | 3min.            | 3min.         |
| F | φ0.45            | φ0.45         |

Unit (mm)

## V-t Characteristics



## Specifications

| Part No. | DC Breakdown Voltage (100V/s) | Impulse Breakdown Voltage (5kV/μs) | Maximum Single Impulse Discharge Current (8/20μs) | Impulse Life (8/20μs) | Insulation Resistance (DC 100V or 50V) | Capacitance (1kHz) |
|----------|-------------------------------|------------------------------------|---|-----------------------|--|--------------------|
| GTA-80D  | 80V ±15%                      | 1200V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-100D | 100V ±15%                     | 1300V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-140D | 140V ±15%                     | 1300V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-170D | 170V ±15%                     | 1500V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-200D | 200V ±15%                     | 1700V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-230D | 230V ±15%                     | 1700V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-250D | 250V ±15%                     | 1700V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-350D | 350V ±15%                     | 2000V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-500D | 500V ±15%                     | 2100V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-750D | 750V ±15%                     | 4500V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |
| GTA-800D | 800V ±15%                     | 5000V max.                         | 1500A ×1 time                                     | 500A ×1000 times      | 10 <sup>4</sup> MΩ min.                | 2pF max.           |