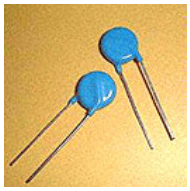
HITECH MOVs Introduction

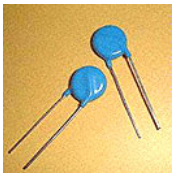
Technical characteristics:
Operating Temperature Range: -40C ~ +85C
Max. Operating Temperature of Element Surface: +115C
Response Time: <25ns
Insulation Resistance of Coating: >1000MΩ
Temperature Coefficient : <-0.05% / C
Special design and manufacture are available according to customers



1. 5D to 20D Varistors Series

These devices are available in five model sizes: 5mm, 7mm, 10mm, 14mm and 20mm. Max. Continuous Operating Voltage from 11Vac to 1000Vac,Surge Current Capability up to 12KA(8/20) even larger..
Applications for:
Transistor, diode, IC, thyristor or triac semiconductor protection.
Surge protection in consumer electronics
Surge protection in industrial electronics
Surge protection in electronic home appliances, gas and petroleum appliances
Electrostatic discharge and noise spike suppression
Relay and electromagnetic valve surge absorption
Surge protection in communication, measuring or controller electronics

2. 25D to 80D Varistors






These devices are available in five model sizes: 25mm, 32mm, 40mm, 34x34mm square and 53mm, 60mm,80mm etc. larger sizes are also available upon request. Max Continuous operating Voltage from 75Vac to 2800Vac, Surge Current Capability up to 100KA(8/20) even larger.
Applications for:
Power suppliers for OA, FA, telecommunication or industrial equipment
Power strips
Transient voltage surge suppressors units

3. Varistors with Non-flammable coating Series

Electrical characteristics are the same as epoxy coated MOVs from 20mm to 80mm, won't catch on fire even in case of TOV.

4.Block Varistors Series



Disk-shaped Varistor element potted in plastic housing
Housing and potting material flame-retardant
Screw terminals
Heavy-duty Varistors with Surge Current Capability up to 130KA(8/20), even larger, voltage up to 2800Vac
Applications for:
Transistor, diode, IC, thyristor or trial semiconductor protection
Surge protection in industrial power plant operations
Relay or electromagnetic valve surge absorption
Surge absorption application in broadcasting, communication devices, traffic/ railroad, agricultural facilities, waterworks.
Surge protection of automatic control devices for power distribution line
Industrial MOV
Main and Feeder Circuit Protection

5. Varistor Bare Discs Series

These Bare Discs are intended for special applications requiring unique electrical contact or packaging methods provided by the customer. The electrode finish of these devices is solderable and can also be used with pressure contacts. Discs of the same diameter may be stacked. Silver electrode or Aluminum available.

These devices are available in 5mm, 7mm, 10mm, 14mm, 20mm, 25mm, 32mm, 40mm, 34x34mm square, 53mm, 60mm , 60mm and 80mm etc. with Max. Continuous Operating Voltage up to 2800Vac.

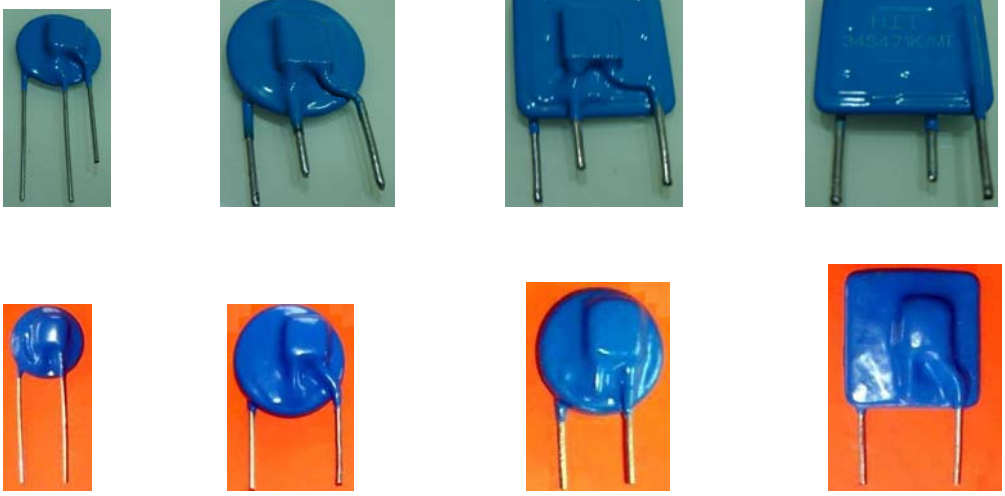
6. Arrester Blocks (High Voltage MOV) Series

Construction:
Passivated Collar
Termination: flame-sprayed
Pressure contact

Features:
Suitable for distribution applications (light and normal duty)
Gapless arrester construction
Based on IEC60099-4 and ANSI/IEEE C62.11.
These devices are available in diameter 32mm, 35mm, 40mm, 45mm, 52mm, 62mm and 71mm, and ring shape with outer diameter/inner diameter of 75/26mm, 83/26mm,115/42mm and 138/53mm. Current impulse withstand capability up to 100KA(4/10) and 2000A(2ms).

7. TMOV Series (with inbuilt thermal cut-off)

Hitech TMOVs are thermally protected Varistors, with inbuilt thermal cut off designed to open in the event of overheating due to the abnormal overvoltage, limited current. A third lead for the purpose of indicating that the MOV has been disconnected from the circuit. This lead facilitated connection to monitoring circuitry. 10KA ~ 60KA 8/20us TMOVs are available.



8. Chip (SMD) Varistors

Features

- SMD type provide highly reliable surface mounting application.
- Wide operating voltage range.
- High transient current capability.
- Good solderabiltiy.

Application

- Transient voltage protection for IC and transistor.
- ESD and I/O protection.
- Telecommunication transient protection.
- EFT/Burst protection.