

## HIGH VOLTAGE SMD

### Benefits & Features

- High voltage (500V - 3000V)
- Non-polarized
- High volumetric capacitance with low leakage current
- Extremely low ESR and ESL
- High thermal stability
- High ripple current capability
- Preferred capacitance solution at frequencies exceeding 100kHz
- Lead free solder process capability (260°C)
- Automotive Grade available
- ROHS compliant (When ordered with standard 100% Sn Termination Finish)
- Easy-To-Buy-From philosophy
- Global footprint – manufacturing & sales

### Programs Supported

- Automotive
- Consumer
- Industrial
- Medical
- Telecommunications

### Electrical & Physical Characteristics

- Case Sizes: 0805, 1206, 1210, 1808, 1812, 1825, 2220, 2225
- Tolerances: 0.25pF - 20%
- Dielectric Options: C0G (1pF to 0.010μF) & X7R (10pf to 0.22μF)
- Temperature Range: -55°C thru +125°C
- Voltage Options: 500V, 630V, 1000V, 1500V, 2000V, 2500V, 3000V
- Capacitance Values: 1.0pF to 2.2μF

### Applications

- Switch Mode Power Supply
- Resonators
- Snubber Circuit
- High Voltage Coupling
- Ballast Circuits (LCD, Fluorescent, Etc.)
- Coupling Capacitor/CUK
- RF Antenna Transmitter Circuits
- Input Filter
- Tank Circuit
- Output Filter
- High Voltage DC Blocking
- Voltage Multiplier Circuits
- Input Protection for LAN/Telecom Products

### Markets

- Power Supply
- DC-DC Converter
- HID Lighting
- Industrial Equipment/Control
- Computer (LAN/WAN Interface)
- Motor Control Circuits  
(Hybrid Automotive, Industrial, etc.)
- High Voltage Power Supply
- LCD Fluorescent Backlight Ballast
- Telecommunications Equipment
- Medical Equipment/Control
- Analog and Digital Modems

