

NEW

SURGE

Product Highlights:

eSGC Diode Package



- Ultra-Low Profile Height - Offers Space Savings, Thermal Performance Advantages
- Simple Swap Out—eSGC Packs May Be Used To Replace Existing To-252 (Dpak) Footprint
- Multiple Variations - Standard Recovery, Fast Recovery, High-Efficient, Superfast, Schottky
- For Use In Low-voltage, High-Frequency Inverters, Free Wheeling, Polarity Protection

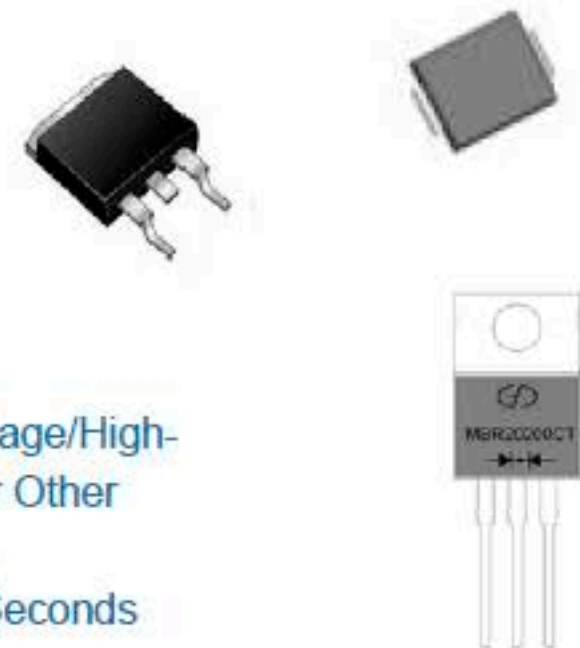
eSGA Diode Package

- Low Profile Case: 1.0-mm H
- Package Outline (mm): 3.7 L x 1.8 W x 1.9 H
- Product Type:
 - Schottky 1A, 2A (low VF SKY)
 - Standard Recovery 0.5A~1A, <0.9V
 - 0.5W, 1W Zener (or 150~200W TVS)
 - Fast Recovery, High Efficient, Superfast
- Match with SOD-123FL Footprint
- For Low-Profile Packages
- For Use in Wireless Communications, LED Inverters, Portable Electronics (Mobile Phones, PDAs, MP3 Players)



200V Schottky Barrier Rectifiers

- Low Reverse Current
- Low Forward Voltage
- Low-Profile Packages
- Low Thermal Resistance
- Halogen-Free Packages
- For Use in Secondary Rectification in Adapters, Low Voltage/High-Frequency Inverters, Free Wheeling, Polarity Protection or Other Equipment That Requires Small Footprint
- High Temp Soldering Guaranteed; Solder Dip 270°C, 10 Seconds
- Now Offering 200V Capability



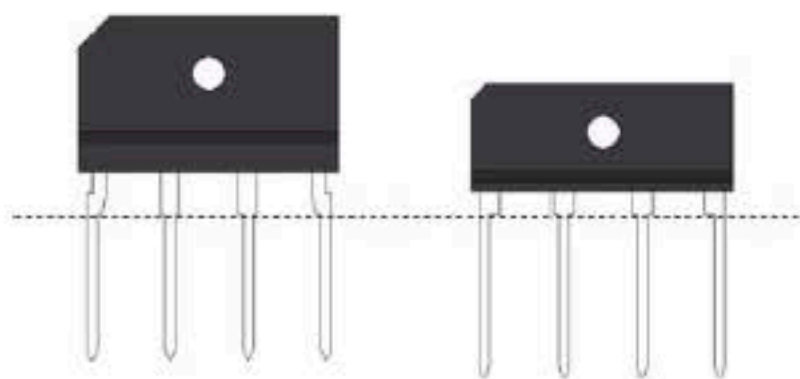
Packages:

- DO-213AA
- eSGA (DOD-123FL)
- DO214AC (SMA)
- DO214AA (SMB)
- DO214AB (SMC)
- TO-263AB (D2PAK)
- TO220AB
- TO220AC

Product Highlights:

Low-Profile GBJL/KBJL Bridge Rectifiers

- Thin Single In-Line Package
- Glass Passivated Chip Junction
- High Surge Current Capability
- High Case Dielectric Strength (2500 VRMS)
- Plastic Package Has UL Flammability Classification 94V-O; Matte Tin Plated Leads, Solderable Per J-STD-002, JESD22-B102
- High Temp Soldering Guaranteed; Solder Dip 270°, 10 Seconds
- Wide Current Range Options: 4A—35A
- For Use in Switching Power Supplies, Home Appliances, Office Equipment, Industrial Automation



Newer rectifiers provide a 30% reduction in height vs. current series.

ESD Protection Diodes

- For High-Speed Data Lines to IEC61000-4-4
- ESD Contact Discharge Typical 8KV, Max 15KV
- ESD Air Discharge Typical 15KV, Max 25KV
- Surface Mount
- Extremely Low Capacitance
- Very Low Leakage Current
- Fast Response Time
- Bi-Directional ESD Protection
- Lead-Free Solder Termination
- Optimum Protection for High Frequency, Low Voltage Applications:
 - Data Line Protection
 - High-Definition Multi-Media Interface (HDMI)
 - Digital Visual Interface (DVI)
 - Display Port Interface (DP)
 - Unified Port Interface (UDI)
 - Mobile Display Digital Interface (MDDI)
 - Gigabit Ethernet
 - USB2.0 and USB3.0
 - IEEE1394 Interface

