

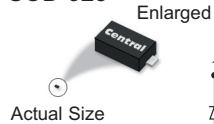
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FEMTOminiTM Diodes in the SOD-923 package

FEMTOminiTM



SOD-923



- CMAD4448**
(Switching Diode)
- CMAD6001**
(Low Leakage Diode)
- CMASH-4**
(Schottky Diode)
- CMAD6263**
(Schottky Diode)

Designed for today's electronic products with limited board space and package height restrictions, these new SOD-923 devices meet the strictest requirements, while maintaining high operational efficiency for portable handheld applications.

features

- Space Saving SOD-923 package (1.10 x 0.65mm Max)
- Low Profile (0.41mm Max)
- Ideal for battery powered and hand held applications
- Fast Switching, Low Leakage, and Schottky diodes available

CMAD4448 (Switching Diode)

The CMAD4448 is a 120V, 250mA ultra high speed switching diode with a t_{rr} of 2.0ns (Typical) and 4.0ns (Maximum). Ideal for high speed switching applications.

CMASH-4 (Schottky Diode)

The CMASH-4 is an energy efficient 40V, 200mA Schottky diode, boasting a low forward voltage drop of 0.35V (Typical) and 0.38V (Maximum) at 1.0mA.

CMAD6001 (Low Leakage Diode)

The CMAD6001 is a 100V, 250mA low leakage diode with an I_R of 500pA (Maximum). This device also has a low capacitance of 2.0pF and a V_F of 0.85V at 1.0mA.

CMAD6263 (Schottky Diode)

The CMAD6263 is an energy efficient 70V, 15mA Schottky diode, boasting a low forward voltage drop of 0.395V (Typical) and 0.410V (Maximum) at 1.0mA.

FEMTOminiTM Transistors in the SOT-953 package

FEMTOminiTM



SOT-953



- CMNT3904E**
(60V, 200mA, NPN)
- CMNT3906E**
(60V, 200mA, PNP)

The **CMNT3904E** and **CMNT3906E** are NPN and PNP Low $V_{CE(SAT)}$ transistors designed for applications where energy efficiency, ultra small size, and reasonable power dissipation are the prime requirements. Packaged in the **FEMTOminiTM** SOT-953 package, these devices provide performance characteristics suitable for the most demanding size constrained applications.

features

- Enhanced Specification including an improved $V_{CE(SAT)}$ of 0.2V @ 50mA
- Space Saving SOT-953 package (1.05 x 1.05mm Max)
- Low Profile (0.5mm Max)

applications

- DC/DC Converters
- Battery powered products including Cell Phones, Digital Cameras, Pagers, PDAs, Laptop Computers, etc.
- Voltage Clamping
- Protection Circuits

Schottky Diodes in the New Ultra Low Profile SOD-882L Tiny Leadless Package (TLPTM)

TLPTM Tiny Leadless Package



- CFSH-4**
- CFSH2-4L**

The Central Semiconductor CFSH-4 and CFSH2-4L are high quality Schottky Diodes designed for applications where ultra small size and reasonable power dissipation are prime requirements. Packaged in the SOD-882L Tiny Leadless Package (TLPTM), these devices are ideal for a wide range of power management applications.

features

- Halogen Free by design
- Medium Current: ($I_O=200mA$)
- Low Forward Voltage Drop: **CFSH-4** ($V_F=0.35V$ TYP @ 1.0mA) **CFSH2-4L** ($V_F=0.53V$ TYP @ 200mA)
- Low Reverse Current: **CFSH-4** (25nA TYP @ 30V) **CFSH2-4L** (350nA TYP @ 40V)
- Extremely Fast Switching: (5ns Max)
- Leadless SOD-882L TLPTM case: 1.05mm x 0.65mm with an ultra low profile of 0.4mm

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Surface Mount Packages (Actual Size)

SOD-923

SOT-923

SOT-953

SOD-523

SOT-523

SOT-563

SOD-323

SOT-323

SOT-363

SOD-123

SOD-123F

SOT-23

SOT-23F

SOT-143

SOT-26

SOT-28

SOT-89

SOT-223

SOT-228

SMA

SMB

SMC

SOIC-16

HD DIP



SMDIP



DPAK



D2PAK

TLP™ Tiny Leadless Packages

Bottom View



SOD-882L

SOT-883L

TLM™ Tiny Leadless Module Packages

Bottom View



TLM621

TLM621H

TLM322

TLM622

TLM832

TLM832D

TLM833

Device Families

- Small Signal Transistors
- Small Signal MOSFETs
- Junction FETs
- Power Transistors
- Switching Diodes
- Schottky Diodes
- Low and Ultra Low Leakage Diodes
- Zener Diodes
- Transient Voltage Suppressors (TVS)
- Stabistors (Forward Reference Diodes)
- Current Limiting Diodes
- Rectifiers
- Bridge Rectifiers

Central[™]
Semiconductor Corp.

*Innovations in Discrete
Semiconductors*

145 Adams Avenue • Hauppauge • New York • 11788 • USA • Tel:(631) 435-1110 • Fax:(631) 435-1824

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For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit our website at:
www.centalsemi.com