



**ASTUTE**

Global Component Distribution

# package options guide: surface mount & through-hole

**Central**<sup>TM</sup>  
Semiconductor Corp.

[www.centrasemi.com](http://www.centrasemi.com)

# surface mount packages

(L x W x H) All dimensions are maximum values in mm.

All packages displayed in alphabetical order.



**BR DFN**  
6.25 x 4.85 x 1.22  
• Bridge Rectifiers



**BR DFN-A**  
6.25 x 4.85 x 1.22  
• Bridge Rectifiers



**DFN123F**  
3.85 x 1.70 x 1.0  
• Bridge Rectifiers



**D<sup>2</sup>PAK (TO-263)**  
16.6 x 10.4 x 4.8  
• Rectifiers



**DPAK (TO-252)**  
10.73 x 6.81 x 2.75  
• Rectifiers  
• Transistors



**HD DIP (TO-269AA)**  
4.9 x 7.0 x 2.7  
• Bridge Rectifiers



**LPDIP (MICRO DIP)**  
6.7 x 5.15 x 1.45  
• Bridge Rectifiers



**SMDIP (SDIP)**  
8.51 x 10.41 x 2.49  
• Bridge Rectifiers



**SMA (DO-214AC)**  
5.59 x 2.92 x 2.62  
• Diodes  
• Rectifiers  
• TVS/Zener



**SMAFL (SMAF)**  
4.9 x 2.6 x 1.1  
• Diodes  
• Rectifiers  
• TVS/Zener



**SMB (DO-214AA)**  
5.59 x 3.81 x 2.44  
• Diodes  
• Rectifiers  
• TVS/Zener



**SMBFL (SMBF)**  
5.5 x 3.7 x 1.1  
• Diodes  
• Rectifiers  
• TVS/Zener



**SMC (DO-214AB)**  
8.13 x 6.22 x 2.62  
• Diodes  
• Rectifiers  
• TVS/Zener



**SOD-123**  
3.9 x 1.8 x 1.35  
• Diodes  
• Rectifiers  
• Zeners



**SOD-123F (DO-219AB)**  
3.95 x 1.95 x 1.08  
• Diodes  
• Rectifiers  
• TVS/Zener



**SOD-123FL (DO-219AD)**  
3.7 x 1.7 x 0.8  
• CLDs



**SOD-323 (SC-76)**  
2.6 x 1.35 x 1.0  
• Diodes  
• Zeners



**SOD-323FL (MICRO SMP)**  
1.95 x 1.4 x 0.85  
• Rectifiers



**SOD-523 (SC-79)**  
1.80 x 0.9 x 0.8  
• Diodes  
• TVS/Zener



**SOD-882L (X2-DFN1006-2)**  
1.05 x 0.65 x 0.4  
• Diodes  
• TVSs



**SOD-923**  
1.10 x 0.65 x 0.41  
• Diodes  
• TVSs



**SOIC-8 (SOP8)**  
6.18 x 5.01 x 1.71  
• MOSFETs



**SOT-23 (TO-236AB)**  
3.05 x 2.49 x 1.09  
• Single/  
• Dual Diodes  
• Transistors  
• Zeners  
• Stabistors  
• JFETs  
• MOSFETs  
• SCRs



**SOT-23F**  
3.00 x 2.50 x 1.0  
• Diodes  
• Rectifiers  
• MOSFETs



**SOT-26 (SC-74)**  
3.0 x 3.0 x 1.2  
• Dual Transistors  
• Dual/Triple Diodes  
• Stabistors  
• MOSFETs  
• TVS/Diode  
• TVS/Zener



**SOT-89 (TO-243AA)**  
4.7 x 4.5 x 1.7  
• Diodes  
• Rectifiers  
• Transistors  
• MOSFETs  
• Zeners  
• SCRs



**SOT-143 (TO-253AA)**  
3.04 x 2.50 x 1.14  
• Diodes  
• Bridge Rectifiers



**SOT-223 (TO-261AA)**  
6.7 x 7.3 x 1.8  
• Rectifiers  
• Transistors  
• MOSFETs  
• TRIACs  
• SCRs



# surface mount packages (continued)

(L x W x H) All dimensions are maximum values in mm.



**SOT-323 (SC-70)**  
2.2 x 2.2 x 1.1  
• Single/  
Dual Diodes  
• Transistors  
• Zeners



**SOT-363 (SC-88)**  
2.2 x 2.3 x 1.1  
• Rectifiers  
• Transistors  
• MOSFETs



**SOT-523 (SC-89)**  
1.7 x 1.7 x 0.78  
• Single/  
Dual Diodes  
• Transistors  
• MOSFETs



**SOT-523W (SC-75)**  
1.7 x 1.68 x 0.8  
• Diodes



**SOT-543 (SC-75-4)**  
1.7 x 1.7 x 0.6  
• TVSs



**SOT-563 (SC-89-6)**  
1.7 x 1.7 x 0.6  
• Single/Dual Transistors  
• Dual/Triple Diodes  
• Zeners  
• MOSFETs  
• Combinations



**SOT-883L (X2-DFN1006-3)**  
1.05 x 0.65 x 0.4  
• Transistors  
• MOSFETs



**SOT-883VL (X3-DFN1006-3)**  
1.05 x 0.65 x 0.32  
• MOSFETs



**SOT-923**  
1.10 x 0.65 x 0.41  
• Transistors  
• MOSFETs



**SOT-953**  
1.05 x 1.05 x 0.5  
• Diodes  
• Transistors  
• MOSFETs  
• TVSs



**SOT-963**  
1.05 x 1.05 x 0.5  
• Diodes  
• MOSFETs



**TLM2D3D6 (DFN0603-2)**  
0.65 x 0.35 x 0.32  
• Diodes  
• TVSs/Zeners



**TLM364 (TO-277A)**  
6.65 x 4.35 x 1.2  
• Rectifiers



**TLM833S (UDFN3030-8)**  
3.15 x 3.15 x 1.0  
• Transistors  
• Rectifiers



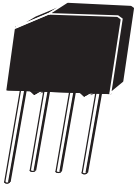
**TLM1031 (UDFN10)**  
2.55 x 1.05 x 0.6  
• TVS/Diode



**UB**  
3.18 x 2.67 x 1.4  
• Transistors  
• JFETs

# standard through-hole packages

All packages displayed in alphabetical order.



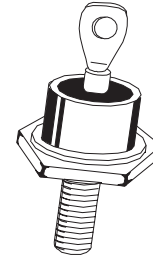
**CASE B-M**  
• Bridge Rectifiers



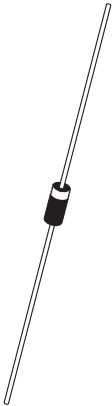
**DIP**  
• Bridge Rectifiers



**DO-4**  
• Zeners  
• Rectifiers



**DO-5**  
• Zeners  
• Rectifiers



**DO-15**  
• Rectifiers



**DO-35**  
• Diodes  
• Current Limiting Diodes (CLDs)



**DO-41**  
• Zeners  
• Rectifiers



**CASE 106**  
• Rectifiers



**DO-201**  
• Zeners  
• TVS  
• Rectifiers



**DO-201AD**  
• Rectifiers

# standard through-hole packages (continued)



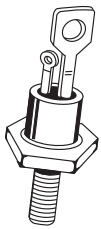
- TO-3**
- Power Transistors
  - Zener Diodes



- TO-18**
- Small Signal Transistors
  - Junction FETs
  - Silicon Diodes
  - SCRs



- TO-39**
- Small Signal Transistors
  - SCRs



- TO-64**
- SCRs



- TO-66**
- Power Transistors



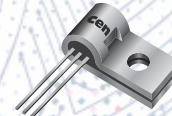
- TO-72**
- Small Signal Transistors
  - Junction FETs



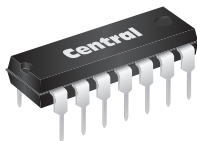
- TO-92**
- Small Signal Transistors
  - SCRs
  - Silicon Bilateral Switch (SBS)
  - Programmable UJTs
  - Unijunction Transistors (UJTs)



- TO-92-18R**
- Small Signal Transistors
  - SCRs
  - Programmable UJTs



- TO-92HS**
- Small Signal Transistors



- TO-116**
- Small Signal Transistors



# standard through-hole packages (continued)



**TO-126**  
• Power Transistors



**TO-202**  
• Power Transistors



**TO-202-2**  
(Optional Sheared Tab)  
• Power Transistors



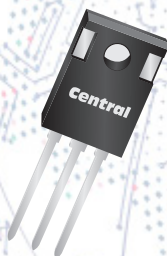
**TO-220**  
(Standard)  
• Power Transistors



**TO-220FP**  
(Optional)  
• Power Transistors  
• Rectifiers



**TO-220FP 2 LEAD**  
• Power Transistors  
• Rectifiers



**TO-247**  
• Power Transistors



**TO-257**  
• Diode  
• Rectifier



**Central**<sup>TM</sup>  
**Semiconductor Corp.**

Questions?

**Just Ask**

Challenges welcome

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