

Rethink the Possibilities ***Discretes do Matter™***



**Surface Mount & Through-hole
Packages**



www.centrasemi.com

Surface Mount Packages

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

All packages displayed in alphabetical order.



D²PAK (TO-263)

16.6 x 10.4 x 4.8
• Rectifiers
• TRIACs
• SCRs



DPAK (TO-252)

10.73 x 6.81 x 2.75
• Rectifiers
• Transistors
• TRIACs
• SCRs



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-882 (X1-DFN1006-2)

1.05 x 0.65 x 0.55
• TVSs



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
• 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
• TRIACs
• 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



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
• TRIACs
• SCRs



www.centrasemi.com

For package details visit: web.centrasemi.com/product/packages

Surface Mount Packages (Continued)

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



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



TLM322S (UDFN2020-3)

2.05 x 2.05 x 0.6

- Rectifiers
- Transistors*
- MOSFETs*



TLM364 (TO-277A)

6.65 x 4.35 x 1.2

- Rectifiers



TLM621 (DFN2010-6)

2.15 x 1.15 x 0.8

- Diodes
- Transistors
- MOSFETs



TLM621H (DFN2015-6)

2.15 x 1.65 x 0.4

- Rectifiers
- Transistors
- MOSFETs



TLM832DS (UDFN3020-8B)

3.05 x 2.05 x 1.0

- Diodes*
- Transistors
- Rectifiers
- MOSFETs
- Combinations



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



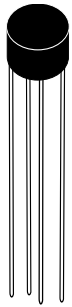
UB

3.18 x 2.67 x 1.4

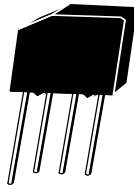
- Transistors
- JFETs

Standard Through-hole Packages

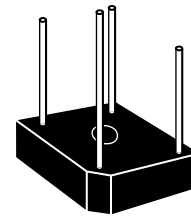
All packages displayed in alphabetical order.



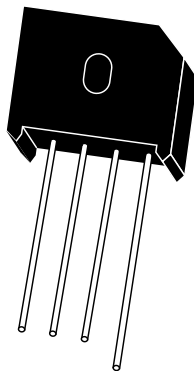
CASE A
• Bridge Rectifiers



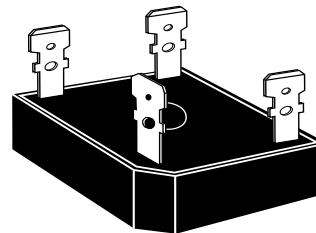
CASE B-M
• Bridge Rectifiers



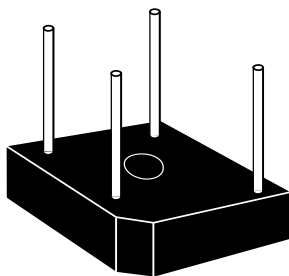
CASE CM
• Bridge Rectifiers



CASE DM
• Bridge Rectifiers



CASE FP
• Bridge Rectifiers

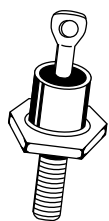


CASE FPW
• Bridge Rectifiers



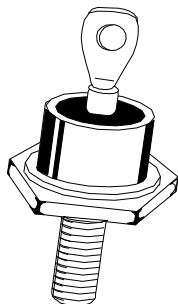
DIP
• Bridge Rectifiers

Standard Through-hole Packages (Continued)



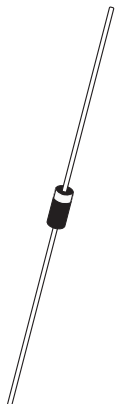
DO-4

- Zeners
- Rectifiers



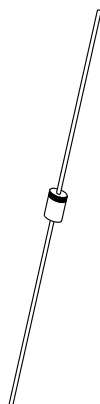
DO-5

- Zeners
- Rectifiers



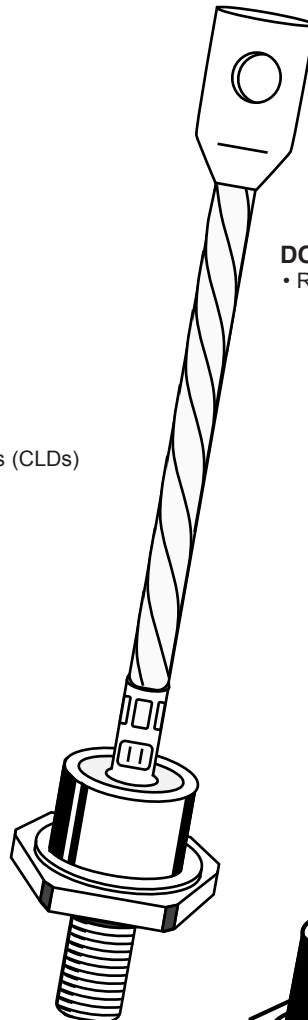
DO-15

- Rectifiers



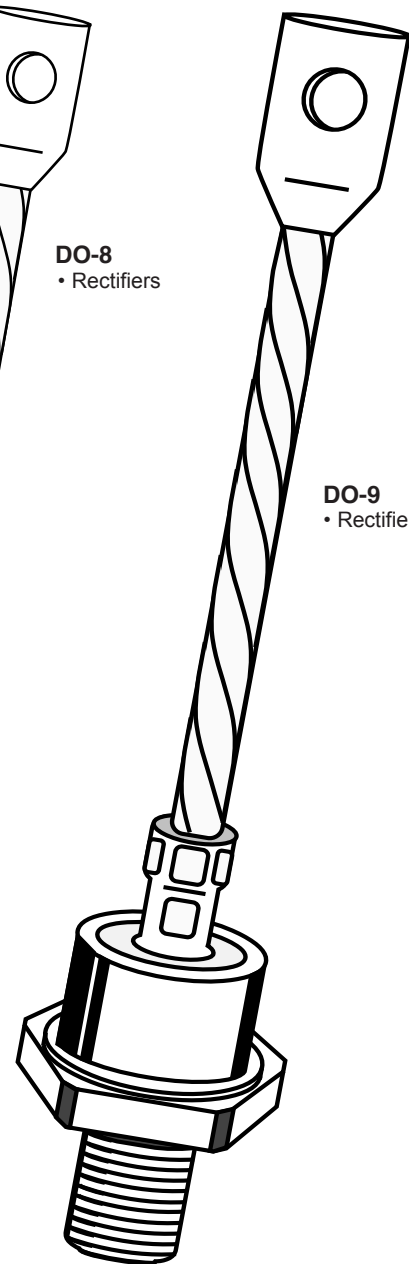
DO-35

- Diodes
- Stabistors
- Current Limiting Diodes (CLDs)
- DIACs



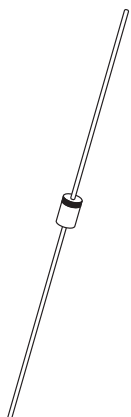
DO-8

- Rectifiers



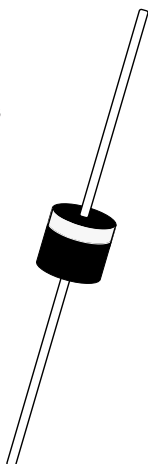
DO-9

- Rectifiers



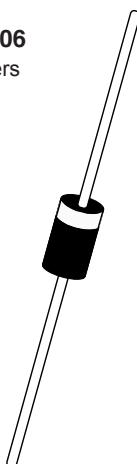
DO-41

- Zeners
- Stabistors
- Rectifiers



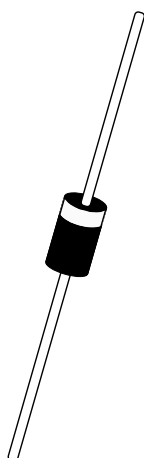
CASE 106

- Rectifiers



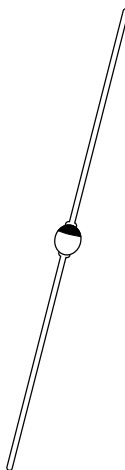
DO-201

- Zeners
- TVS
- Rectifiers



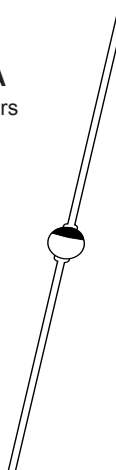
DO-201AD

- Rectifiers



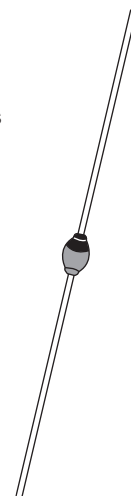
GPR-1A

- Rectifiers



GPR-3A

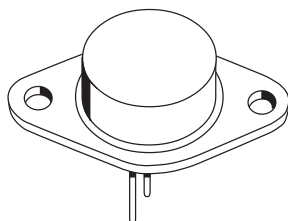
- Rectifiers



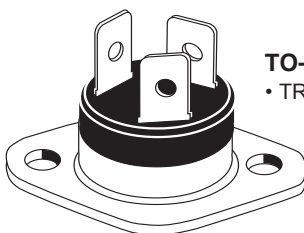
GPR-4AM

- Rectifiers

Standard Through-hole Packages (Continued)



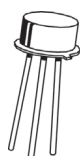
TO-3
• Power Transistors
• Zener Diodes
• SCRs



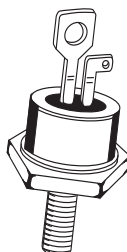
TO-3P
• TRIACs



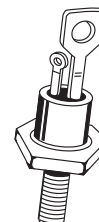
TO-18
• Small Signal Transistors
• Junction FETs
• Silicon Diodes
• SCRs



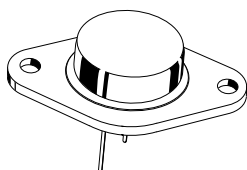
TO-39
• Small Signal Transistors
• SCRs
• TRIACs



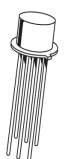
TO-48
• SCRs
• TRIACs



TO-64
• SCRs



TO-66
• Power Transistors



TO-71
• Small Signal Transistors



TO-72
• Small Signal Transistors
• Junction FETs



TO-78
• Small Signal Transistors



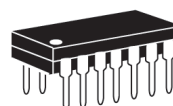
TO-92
• Small Signal Transistors
• SCRs
• TRIACs
• Silicon Bilateral Switch (SBS)
• Programmable UJTs
• Unijunction Transistors (UJTs)



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

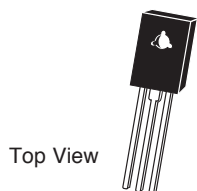


TO-92HS
• Small Signal Transistors

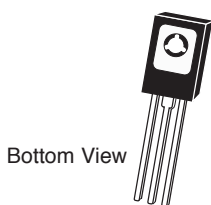


TO-116
• Small Signal Transistors

Standard Through-hole Packages (Continued)



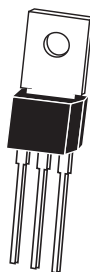
Top View



Bottom View

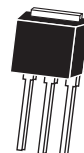
TO-126

- Power Transistors



TO-202

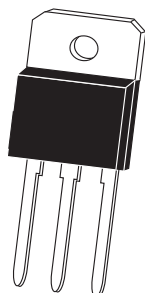
- Power Transistors
- SCRs
- TRIACs



TO-202-2

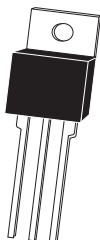
(Optional Sheared Tab)

- Power Transistors
- SCRs
- TRIACs



TO-218

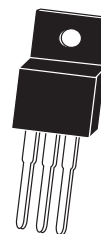
- Power Transistors
- SCRs
- TRIACs



TO-220

(Standard)

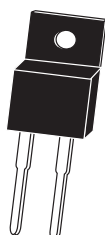
- Power Transistors
- SCRs
- TRIACs



TO-220FP

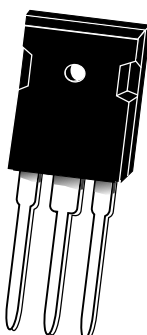
(Optional)

- Power Transistors
- Rectifiers



TO-220FP 2 LEAD

- Power Transistors
- Rectifiers



TO-247

- Power Transistors



TO-257

- Diode
- Rectifier