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Tiny Low $V_{CE(SAT)}$ Transistors

60V, 200mA

CET3904E (NPN)
CET3906E (PNP)

SOT-883L



1.05mm x 0.65mm x 0.4mm(H)

CMBT3904E (NPN)
CMBT3906E (PNP)

SOT-923



1.1mm x 0.65mm x 0.41mm(H)

features

- Enhanced Specification including an improved maximum $V_{CE(SAT)}$ of 0.1V @ 10mA
- Space Saving Low Profile SOT-883L and SOT-923 packages
- RoHS compliant and Pb Free



applications

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

Low V_F , Low I_R Schottky Rectifiers

40V, 1.0A

• **CMPSH1-4L:** Low V_F
Low $V_F = 390mV @ 1.0A$

• **CMPSH1-4LE:** Balanced Low V_F /Low I_R
Low $V_F = 400mV @ 1.0A$
Low $I_R = 500\mu A @ 20V$

• **CMPSH1-4:** Low I_R
Low $I_R = 100\mu A @ 30V$



SOT-23F

features

- Low V_F (CMPSH1-4L)
- Balanced Low V_F / Low I_R (CMPSH1-4LE)
- Low I_R (CMPSH1-4)

- Low profile 1.0mm SOT-23F package
- RoHS, Pb Free



applications

- Load/Power Switches
- Power Supply Converter Circuits
- Battery Powered equipment including cellphones, digital cameras, PDAs, etc.

Surface Mount SCR in TLM532 package

400V, 0.8A

CTLS5064-M532

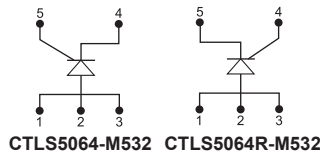
CTLS5064R-M532 (alternate pinout)

TLM532



Top View Bottom View

3.1mm x 2.1mm x 1.0mm(H)



CTLS5064-M532 CTLS5064R-M532

features

- $V_{DRM} = 400V$
- Ideal alternative to the SOT-23 package.
- Utilizes 86% less board space than SOT-223 package.

- Has a 44% lower profile than the SOT-223 package.
- Halogen Free by Design.
- RoHS, Pb Free



applications

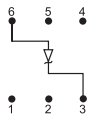
- Control systems
- Sensing circuits
- Any application requiring a small, low profile 400V SCR.

Temperature Compensated Zener Diodes

CMXTC935A 9.0V



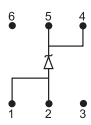
SOT-26



CMKTC825A 6.2V
CMKTC825E



SOT-363



features

CMXTC935A

- $V_Z = 9.0V$
- $\Delta V_Z = 95mV^*$

- Ideal alternative to leaded 1N935A
- RoHS, Pb Free



CMKTC825A/CMKTC825E

- $V_Z = 6.2V$
- $\Delta V_Z = 44mV^*$ (CMKTC825A)
20mV* (CMKTC825E)

- CMKTC825A is comparable to leaded 1N823A
- CMKTC825E is comparable to leaded 1N825A
- RoHS, Pb Free

* The maximum allowable change over the temperature range at I_{ZT} observed at the specified temperatures of -55°C, 0°C, 25°C, 75°C, and 100°C.

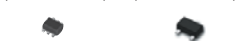
Small Signal Enhancement-mode MOSFETs

SOT-883L

(BOTTOM VIEW)



TLM621H (BOTTOM VIEW) **TLM621 (BOTTOM VIEW)**



SOT-563 SOT-523



SOT-23 SOT-26

7120 20V, 1.0A, 0.14Ω
N-Channel

CTLDM7120-M621H (TLM621H)
CMLDM7120G (SOT-563)
CMPDM7120G (SOT-23)

8120 20V, 0.86A, 0.2Ω
P-Channel

CTLDM8120-M621H (TLM621H)
CMLDM8120 (SOT-563)
CMPDM8120 (SOT-23)

7003E 50V, 0.28A, 2.3Ω
N-Channel

CMLDM7003E/JE (SOT-563)

7003 50V, 0.28A, 3.0Ω
N-Channel

CMLDM7003/J (SOT-563)
CTLDM7003-M621 (TLM621)
CMPDM7003 (SOT-23)

7002A 60V, 0.28A, 2.0Ω
N-Channel

CTLDM7002A-M621 (TLM621)
CTLDM7002A-M621H (TLM621H)
CMLDM7002A/AJ (SOT-563)
CMPDM7002A (SOT-23)
CMXDM7002A (SOT-26)

8002A 50V, 0.28A, 3.0Ω
P-Channel

CTLDM8002A-M621 (TLM621)
CTLDM8002A-M621H (TLM621H)
CMLDM8002A/AJ (SOT-563)
CMPDM8002A (SOT-23)

7001 20V, 0.1A, 3.0Ω
N-Channel

CEDM7001 (SOT-883L)
CMUDM7001 (SOT-523)

8001 20V, 0.1A, 8.0Ω
P-Channel

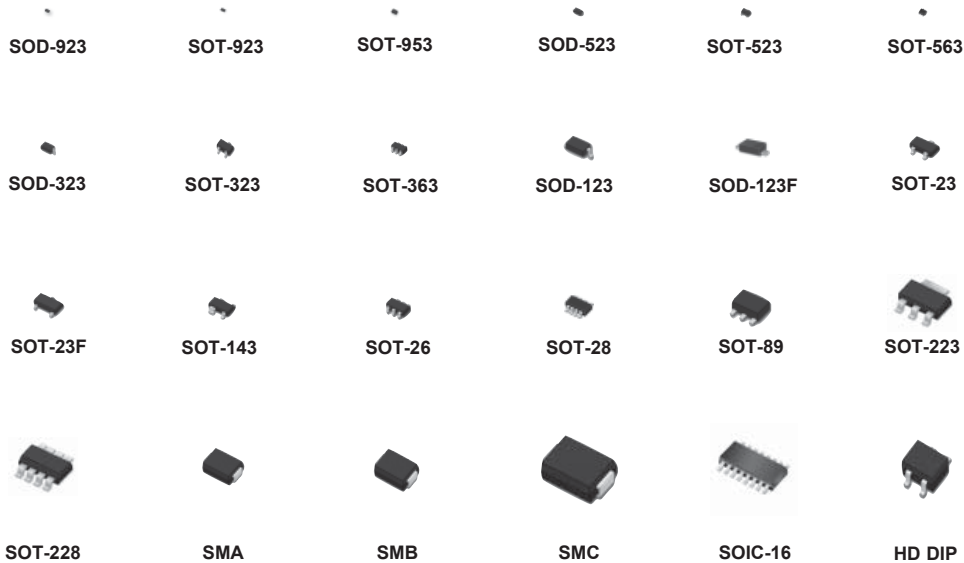
CEDM8001 (SOT-883L)
CMUDM8001 (SOT-523)

- RoHS, Pb Free



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Surface Mount Packages (Actual Size)



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

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