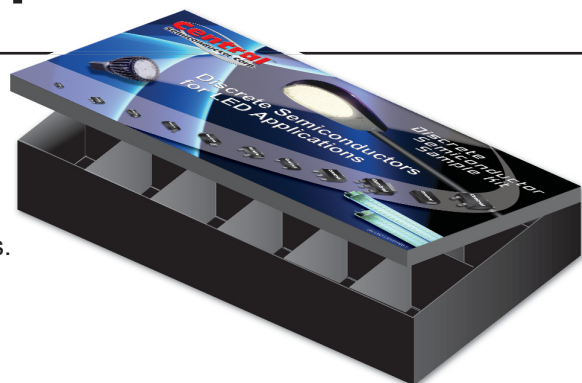


Discrete Semiconductor Sample Kit

Discrete Semiconductors for LED Applications

Central Semiconductor sample kits provide designers with the discrete semiconductor devices ideal for their latest design challenges. The contents of this 2 part sample kit include examples of Central Semiconductor devices most commonly used in high speed pulsed amplifiers and driver applications.



Included in LED kit 1:

| | | | | | |
|---|--|---|--|---|--|
| CMSH1-20ML Schottky Rectifier 20V, 1.0A $V_F=0.38V$ SMA Marking Code: CS20ML | CMSH2-20M Schottky Rectifier 20V, 2.0A $V_F=0.55V$ SMA Marking Code: CS220M | CMSH2-20L Schottky Rectifier 20V, 2.0A $V_F=0.40V$ SMB Marking Code: CS220L | CMSH3-20MA Schottky Rectifier 20V, 3.0A $V_F=0.50V$ SMA Marking Code: CS320MA | CMSH3-20L Schottky Rectifier 20V, 4.0A $V_F=0.42V$ SMC Marking Code: CS320L | CMSH5-20 Schottky Rectifier 20V, 5.0A $V_F=0.55V$ SMC Marking Code: CS520 |
| CMSH1-40ML Schottky Rectifier 40V, 1.0A $V_F=0.40V$ SMA Marking Code: CS40ML | CMSH2-40M Schottky Rectifier 40V, 2.0A $V_F=0.55V$ SMA Marking Code: CS240M | CMSH2-40L Schottky Rectifier 40V, 2.0A $V_F=0.40V$ SMB Marking Code: CS240L | CMSH3-40MA Schottky Rectifier 40V, 3.0A $V_F=0.50V$ SMA Marking Code: CS340MA | CMSH3-40L Schottky Rectifier 40V, 4.0A $V_F=0.44V$ SMC Marking Code: CS340L | CMSH5-40 Schottky Rectifier 40V, 5.0A $V_F=0.55V$ SMC Marking Code: CS540 |
| CMSH1-100M Schottky Rectifier 100V, 1.0A $V_F=0.85V$ SMA Marking Code: CS100M | CMSH2-100M Schottky Rectifier 100V, 2.0A $V_F=0.85V$ SMA Marking Code: CS2100M | CMSH2-60 Schottky Rectifier 60V, 2.0A $V_F=0.70V$ SMB Marking Code: CS260 | CMSH3-100MA Schottky Rectifier 100V, 3.0A $V_F=0.85V$ SMA Marking Code: CS3100MA | CMSH3-60 Schottky Rectifier 60V, 3.0A $V_F=0.70V$ SMC Marking Code: CS360 | CMSH5-100 Schottky Rectifier 100V, 5.0A $V_F=0.85V$ SMC Marking Code: CS5100 |

Included in LED kit 2:

| | | | | | |
|--|--|--|--|---|---|
| CMMSH1-20 Schottky Rectifier 20V, 1.0A $V_F=0.45V$ SOD-123F Marking Code: CS20F | CTLSH1-40M621H Schottky Rectifier 40V, 1.0A $V_F=0.6V$ $P_D=1.6W$ TLM621H Marking Code: CNE | CTLSH2-40M832 Schottky Rectifier 40V, 2.0A $V_F=0.5V$ $P_D=1.9W$ TLM832 Marking Code: CFB | CBRHD-06 Full Wave Bridge 600V, 0.5A $V_F=1.0V$ $I_R=5.0\mu A$ HD-DIP Marking Code: CBD6 | CMMSH2-40 Schottky Rectifier 40V, 2.0A $V_F=0.5V$ SOD-123F Marking Code: CS240F | CMR1U-10M Ultra Fast Rectifier 1000V, 1.0A $V_F=1.7V$ $I_R=5.0\mu A$, $t_{rr}=100ns$ SMA Marking Code: CU10M |
| CMMSH1-40L Schottky Rectifier 40V, 1.0A $V_F=0.45V$ SOD-123F Marking Code: CS40FL | CTLSH1-40M322 Schottky Rectifier 40V, 1.0A $V_F=0.55V$ $P_D=1.45W$ TLM322 Marking Code: CBA | CTLSH3-30M833 Schottky Rectifier 30V, 3.0A $V_F=0.45V$ $P_D=2.5W$ TLM833 Marking Code: CHA1 | CBRHDHSH1-40L Schottky Bridge 40V, 1.2A $V_F=0.44V$ $I_R=50\mu A$ HD-DIP Marking Code: CSH1 | CSHD10-45L Schottky Rectifier 45V, 10A $V_F=0.75V$ DPAK Marking Code: Full P/N | CMR3U-10M Ultra Fast Rectifier 1000V, 3.0A $V_F=2.0V$ $I_R=5.0\mu A$, $t_{rr}=100ns$ SMB Marking Code: CU310M |
| CMMSH1-100 Schottky Rectifier 100V, 1.0A $V_F=0.85V$ SOD-123F Marking Code: CS100F | CTLSH1-40M832D Schottky Rectifier 40V, 1.0A $V_F=0.55V$ $P_D=1.65W$ TLM832D Marking Code: CFA | CTLSH5-40M833 Schottky Rectifier 40V, 5.0A $V_F=0.52V$ $P_D=2.5W$ TLM833 Marking Code: CHA2 | CBRHDHSH2-40 Schottky Bridge 40V, 2.0A $V_F=0.5V$ $I_R=50\mu A$ HD-DIP Marking Code: CSH2 | CBRSDSH5-40 Schottky Bridge 40V, 5.0A $V_F=0.37V$ (typ) $I_R=40\mu A$ (typ) SMDIP Marking Code: Full P/N | CMR5U-08 Ultra Fast Rectifier 800V, 5.0A $V_F=1.7V$ $I_R=10\mu A$, $t_{rr}=100ns$ SMC Marking Code: CU508 |

Datasheets for the devices contained in this sample kit can be found at:

www.centrasemi.com/engineering/samplekits

For a complete listing of products manufactured by Central Semiconductor Corp., please visit www.centrasemi.com or call 631-435-1110 and an experienced and knowledgeable account representative will gladly provide assistance.

Central
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- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

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1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

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