

Discrete Semiconductor Sample Kit

SMD Rectifier

Central Semiconductor Sample Kits provide designers with the discrete semiconductor devices ideally suited for the latest design challenges. The SMD Rectifier Sample Kit includes a variety of medium power devices suitable for general purpose full-wave, half-wave and blocking applications.



Included in this kit:

CBRHD-10 Bridge Rectifier 1000V, 500mA $V_F = 1.0V$ $I_R = 5.0\mu A$ HD DIP Marking Code: CBD10	CBR1-D100S Bridge Rectifier 1000V, 1.0A $V_F = 1.1V$ $I_R = 10\mu A$ SMDIP Marking Code: Full P/N	CBR1F-D040S Fast Recovery Bridge 400V, 1.0A $V_F = 1.3V, t_{rr} = 200ns$ $I_R = 5.0\mu A$ SMDIP Marking Code: Full P/N	CBR1U-D020S Ultra Fast Recovery Bridge 200V, 1.0A $V_F = 1.05V, t_{rr} = 50ns$ $I_R = 5.0\mu A$ SMDIP Marking Code: Full P/N	CBRHDSH2-100 Schottky Bridge 100V, 2.0A $V_F = 0.61V$ (typ) $I_R = 0.7\mu A$ (typ) HD DIP Marking Code: CSH10	CBRSDSH5-40 Schottky Bridge 40V, 5.0A $V_F = 0.37V$ (typ) $I_R = 40\mu A$ (typ) SMDIP Marking Code: Full P/N
CMSH1-20ML Schottky Rectifier 20V, 1.0A $V_F = 0.38V$ SMA Marking Code: CS20ML	CMSH1-40ML Schottky Rectifier 40V, 1.0A $V_F = 0.40V$ SMA Marking Code: CS40ML	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	CMSH3-100MA Schottky Rectifier 100V, 3.0A $V_F = 0.85V$ SMA Marking Code: CS3100MA	CMSH5-100 Schottky Rectifier 100V, 5.0A $V_F = 0.85V$ SMC Marking Code: CS5100
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	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	CMR5U-08 Ultra Fast Rectifier 800V, 5.0A $V_F = 1.7V$ $I_R = 10\mu A, t_{rr} = 100ns$ SMC Marking Code: CU508	CMMSH1-40L Schottky Rectifier 40V, 1.0A $V_F = 0.45V$ SOD-123F Marking Code: CS40FL	CMMSH2-40 Schottky Rectifier 40V, 2.0A $V_F = 0.5V$ SOD-123F Marking Code: CS240F	CMSH3-40L Schottky Rectifier 40V, 4.0A $V_F = 0.44V$ SMC Marking Code: CS340L

Thank you for your interest in Central's products.

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

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

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).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.
145 Adams Avenue
Hauppauge, NY 11788 USA
Main Tel: (631) 435-1110
Main Fax: (631) 435-1824
Support Team Fax: (631) 435-3388
www.centrasemi.com

Worldwide Field Representatives:
www.centrasemi.com/wwreps

Worldwide Distributors:
www.centrasemi.com/wwdistributors

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