

# Discrete Semiconductor Sample Kit

## Low Power SMD

Central Semiconductor Sample Kits provide designers with the discrete semiconductors ideally suited for the latest design challenges. The Low Power SMD Sample Kit includes a variety of diodes and MOSFETs suitable for general purpose rectification, signal blocking, load switching and small signal amplification applications.



### Included in this kit:

<b>CMDSH-3</b> Schottky Diode 30V, 100mA $V_F = 0.8V$  SOD-323 Marking Code: S1	<b>CMDSH2-3</b> Schottky Diode 30V, 200mA $V_F = 0.55V$  SOD-323 Marking Code: S2	<b>CMDSH-4E</b> Schottky Diode 40V, 200mA $V_F = 1.0V$ $t_{rr} = 5.0ns$ SOD-323 Marking Code: S1E	<b>CMDSH2-4L</b> Schottky Diode 40V, 200mA $V_F = 0.5V$  SOD-323 Marking Code: S2L	<b>CMDSH05-4</b> Schottky Diode 40V, 500mA $V_F = 0.47V$  SOD-323 Marking Code: C55	<b>CMSSH-3E</b> Schottky Diode 40V, 200mA $V_F = 1.0V$ $t_{rr} = 5.0ns$ SOT-323 Marking Code: 31E
<b>CMPD2836E</b> Dual, Diodes Common Anode 120V, 200mA $V_F = 0.85V$ , $t_{rr} = 4.0ns$ SOT-23 Marking Code: CA2E	<b>CMPD2838E</b> Dual, Diodes Common Cathode 120V, 200mA $V_F = 0.85V$ , $t_{rr} = 4.0ns$ SOT-23 Marking Code: CA6E	<b>CMPD914E</b> Single Diode 120V, 250mA $V_F = 0.85V$ $t_{rr} = 4.0ns$ SOT-23 Marking Code: C5DE	<b>CMPT3904E</b> NPN Transistor 40V, 200mA $V_{CE(SAT)} = 0.2V$ $h_{FE} = 100 \text{ min./300 max.}$ SOT-23 Marking Code: C1AE	<b>CMPT3906E</b> PNP Transistor 40V, 200mA $V_{CE(SAT)} = 0.2V$ $h_{FE} = 100 \text{ min./300 max.}$ SOT-23 Marking Code: C2AE	<b>CMPT2222AE</b> NPN Transistor 45V, 600mA $h_{FE} = 100 \text{ min./300 max.}$ SOT-23 Marking Code: C1PE
<b>CMPDM7002A</b> N-Channel MOSFET 60V, 280mA $r_{DS(ON)} = 2.0\Omega$  SOT-23 Marking Code: C702A	<b>CMPDM8002A</b> P-Channel MOSFET 50V, 280mA $r_{DS(ON)} = 2.5\Omega$  SOT-23 Marking Code: C802A	<b>CMPDM7120G</b> N-Channel MOSFET 20V, 1.0A $r_{DS(ON)} = 0.1\Omega$  SOT-23 Marking Code: C71G	<b>CMPDM8120</b> P-Channel MOSFET 20V, 0.86A $r_{DS(ON)} = 0.15\Omega$  SOT-23 Marking Code: C8120	<b>CCLM0300</b> Current Limiting Diode $I_P = 0.31mA$  SOD-80 Marking Code: Black, Lt Blue, Orange	<b>CCLM1000</b> Current Limiting Diode $I_P = 1.1mA$  SOD-80 Marking Code: Black, Green, Pink

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](http://www.centrasemi.com/engineering/samplekits)

For a complete listing of products manufactured  
by Central Semiconductor Corp., please visit  
[www.centrasemi.com](http://www.centrasemi.com)

or call  
**631-435-1110**

## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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### 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

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### DESIGNER SUPPORT/SERVICES

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

- Free quick ship samples (2<sup>nd</sup> 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

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### 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).

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

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

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