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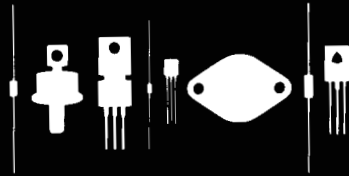
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[Central Semiconductor Corp](#)
[1N4454 TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Central Semiconductor Corp.
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 145 Adams Avenue
 Hauppauge, New York 11788



1N4454

SILICON SWITCHING DIODE

JEDEC DO-35 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N4454 type is a high speed Silicon Switching Diode designed for computer and general purpose applications.

MAXIMUM RATINGS (T_A = 25°C)

	<u>SYMBOL</u>		<u>UNITS</u>
Peak Repetitive Reverse Voltage	V _{RRM}	75	V
Average Forward Current	I _O	150	mA
Forward Steady-State Current	I _F	200	mA
Peak Forward Surge Current (1.0μs pulse)	I _{FSM}	4000	mA
Power Dissipation	P _D	500	mW
Operating and Storage			
Junction Temperature	T _J , T _{stg}	-65 to +200	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

<u>SYMBOL</u>	<u>TEST CONDITIONS</u>	<u>MIN</u>	<u>MAX</u>	<u>UNITS</u>
BV _R	I _R = 5.0μA	75		V
I _R	V _R = 50V		100	nA
I _R	V _R = 50V, T _A = 150°C		100	μA
V _F	I _F = 10mA		1.0	V
C _T	V _r = 0, f = 1.0MHz		2.0	pF
t _{rr}	V _R = 6.0V, I _F = 10mA, I _{rr} = 1.0mA, R _L = 100Ω		2.0	ns
t _{rr}	I _F = I _R = 10mA, I _{rr} = 1.0mA		4.0	ns

Central[™]
Semiconductor Corp.

145 Adams Avenue
 Hauppauge, NY 11788 USA
 Tel: (631) 435-1110 • Fax: (631) 435-1824
 www.centralsemi.com

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

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

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