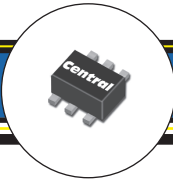


1 Amp Low V_F Schottky Rectifier in the SOT-563



CMLSH1-40



features

- $I_F = 1.0$ Amp
- $V_F = 0.45V$ @ 500mA
- $t_{rr} = 15ns$ (TYP)
- Package profile under 0.6mm

description

The CentralTM Semiconductor CMLSH1-40 is a single 1.0 Amp, 40 Volt Low V_F Schottky Rectifier packaged in a space saving SOT-563 surface mount case. This PICOminiTM device has a Low V_F of 0.45V @ 500mA and 0.55V @ 1.0 Amp. The CMLSH1-40 is ideal for today's smallest electronic devices, which require a tiny 1.0 Amp Schottky rectifier with a low forward voltage drop.

Sample Devices
available
upon request.

selection guide



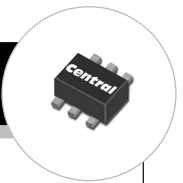
CMLSH1-40

I_O (AMPS)	1.0
@ T_A (°C)	25
I_{FSM} (AMPS)	10
LOW V_F	
CASE	Actual Size SOT-563
V_{RRM} (VOLTS)	40
40	CMLSH1-40
V_F max @ I_F	0.36V @ 100mA
V_F max @ I_F	0.45V @ 500mA
V_F max @ I_F	0.55V @ 1.0A
I_R max @ V_R	50µA @ 15V

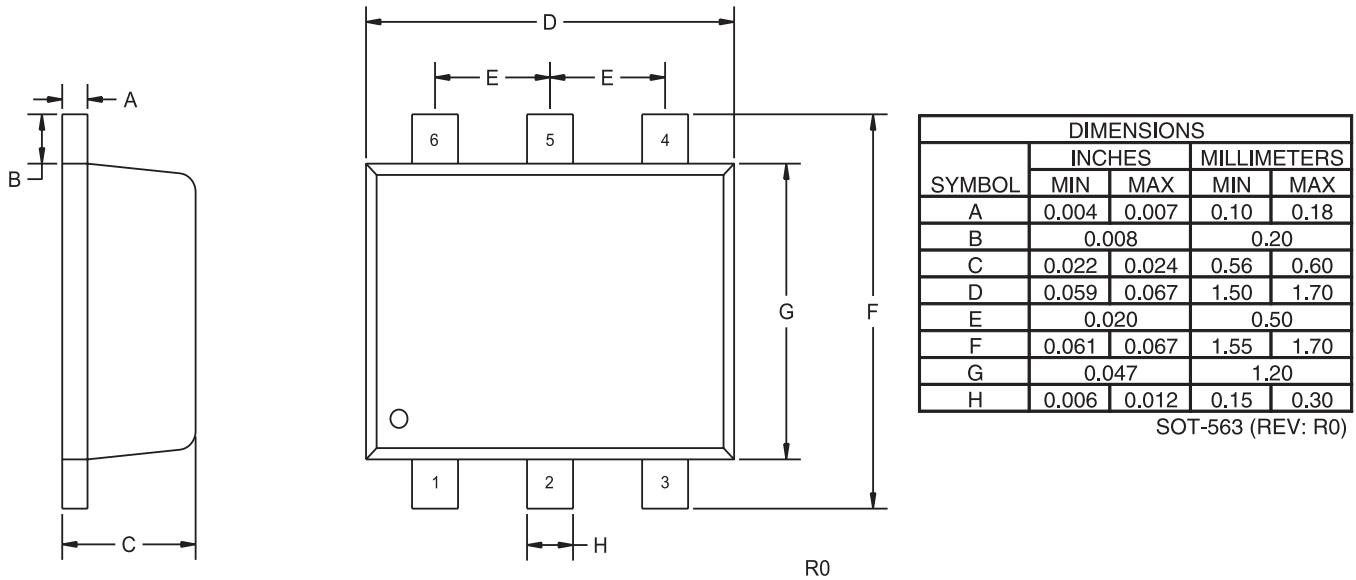
Other Surface Mount Schottky Rectifiers
Manufactured by **Central**TM

I_O (AMPS)	1.0					
@ T_A (°C)	25	25	25	25	25	25
I_{FSM} (AMPS)	10	10	10	30	50	12
CASE	 Actual Size TLM621H	 Actual Size TLM322	 Actual Size TLM832D	 Actual Size SOD-123F		 Actual Size SOT-23F
V_{RRM} (VOLTS)			Dual, Isolated			
40	CTLSH1-40M621H	CTLSH1-40M322	CTLSH1-40M832D	CMMSH1-40	CMMSH1-40L	CMPSH1-4
V_F max @ I_F	0.36V @ 100mA	0.36V @ 100mA	0.36V @ 100mA	—	—	0.39V @ 100mA
V_F max @ I_F	0.45V @ 500mA	0.45V @ 500mA	0.45V @ 500mA	—	—	0.48V @ 500mA
V_F max @ I_F	0.55V @ 1.0A	0.55V @ 1.0A	0.55V @ 1.0A	0.55V @ 1.0A	0.45V @ 1.0A	0.55V @ 1.0A
I_R max @ V_R	50µA @ 15V	50µA @ 15V	50µA @ 15V	500µA @ 40V	150µA @ 20V	100µA @ 30V

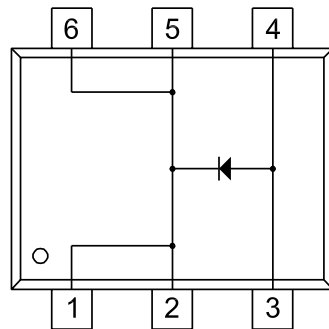
1 Amp Low V_F Schottky Diode in the SOT-563



Mechanical Specifications - SOT-563



Lead Code



LEAD CODE:

- 1) CATHODE
- 2) CATHODE
- 3) ANODE
- 4) ANODE
- 5) CATHODE
- 6) CATHODE

MARKING CODE: C41

Central[™]
Semiconductor Corp.

*Innovations in Discrete
Semiconductors*

For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit our website at:
www.centalsemi.com

145 Adams Avenue • Hauppauge • New York • 11788 • USA • Tel:(631) 435-1110 • Fax:(631) 435-1824

PA CMLSH1-40