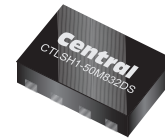


CTLSH1-50M832DS

1.0A, 50V Dual Schottky Rectifiers in the TLM832DS package



TLM832DS

Central Semiconductor's CTLSH1-50M832DS dual 1.0A, 50V, low V_F Schottky rectifiers packaged in the TLM832DS were designed for applications where small size and operational efficiency are prime requirements. This device exhibits a maximum power dissipation of 1.65W with a very small footprint (approximately equal to the SOT-23) and is capable of dissipating up to four times the power of similar products in comparably sized surface mount packages.

Features:

- High current ($I_F = 1.0A$)
- Low forward voltage drop ($V_F = 0.29V$)
- High thermal efficiency

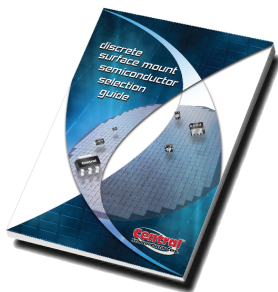
Applications:

- DC-DC converters
- Reverse battery protection
- Battery powered portable equipment

Benefits:

- Space savings
- Energy efficiency
- High power in small package

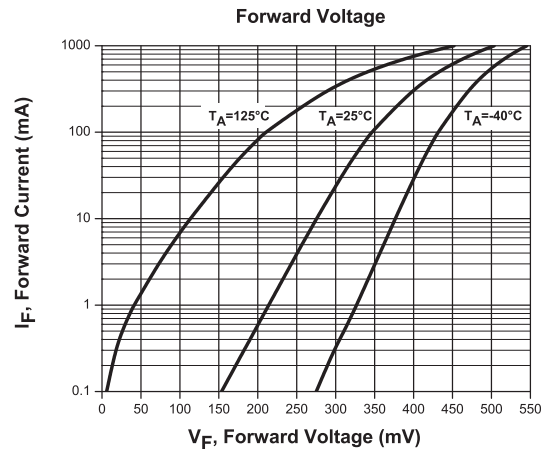
Literature



New
SMD
SELECTION
GUIDE

Order your selection guide today.
Visit: web.centrasemi.com/search/sample.php

Typical Electrical Characteristics



Samples



To order samples of this device visit:
www.centrasemi.com/info/CTLSH1-50M832DS

weblink scan

Use QR reader
for direct link to
product web page.



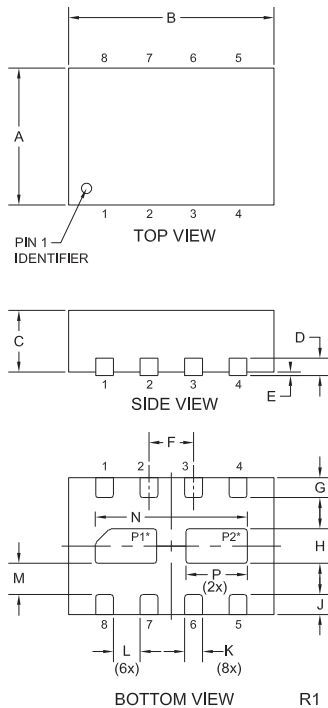
Maximum Ratings ($T_A = 25^\circ C$)					Electrical Characteristics Per Diode: ($T_A = 25^\circ C$ unless otherwise noted)			
V_{RRM} (V) MAX	I_F (A) MAX	I_{FSM} (A) MAX	T_J, T_{stg} ($^\circ C$) MAX	θ_{JA} ($^\circ C/W$) MAX	V_F (V) MAX	@ I_F	I_R MAX	@ V_R (V)
50	1.0	10	-65 to +150	75.8	0.29	10mA	10 μA	5.0
					0.36	100mA	20 μA	8.0
					0.45	500mA	50 μA	15
					0.55	1.0A	0.5mA	50
							*50mA	*50

* $T_A = 100^\circ C$

CTLSH1-50M832DS

1.0A, 50V Dual Schottky Rectifiers in the TLM832DS package

Mechanical Drawing - TLM832DS



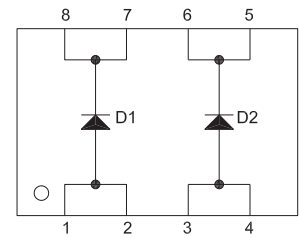
* Exposed pad P1 common to pins 7 and 8
* Exposed pad P2 common to pins 5 and 6

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.077	0.081	1.95	2.05
B	0.116	0.120	2.95	3.05
C	0.031	0.039	0.80	1.00
D	0.006	0.010	0.16	0.25
E	0.000	0.002	0.00	0.05
F	0.026		0.65	
G	0.008	0.016	0.19	0.40
H	0.014	0.024	0.35	0.61
J	0.008	0.016	0.19	0.40
K	0.008	0.012	0.21	0.31
L	0.013	0.017	0.34	0.44
M	0.006	-	0.15	-
N	0.087		2.22	
P	0.029	0.039	0.74	1.00

TLM832DS (REV:R1)

MARKING CODE: CFX

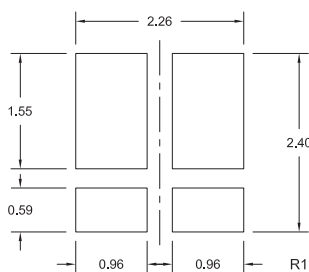
Pinouts



LEAD CODES:

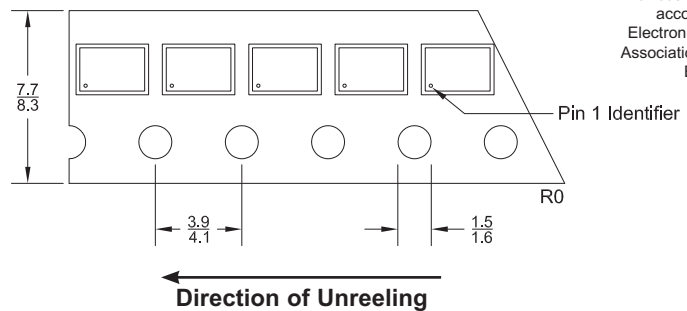
- 1) Anode D1
- 2) Anode D1
- 3) Anode D2
- 4) Anode D2
- 4) Cathode D2
- 5) Cathode D2
- 6) Cathode D1
- 8) Cathode D1

Suggested Mounting Pads (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 8mm



* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
7"	3,000	CTLSH1-50M832DS TR

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	9	27,000	9x9x5	23x23x13	4	2
	17	51,000	9x9x9	23x23x23	8	4
	40	120,000	21x9x9	53x23x23	17	8
	108	324,000	27x9x17	69x23x43	45	21

Sample devices available upon request. To order samples of these devices visit: www.centrasemi.com/info/CTLSH1-50M832DS



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