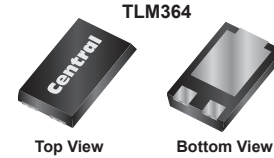


CTLSH15-30M364

15A, 30V Low V_F Schottky Rectifier in the TLM364 package



Central Semiconductor's CTLSH15-30M364 is a high performance 15 Amp silicon Schottky rectifier designed for applications requiring high power capability in a low profile package.

Features:

- Low forward voltage
- Low reverse leakage current
- High surge capability

Applications:

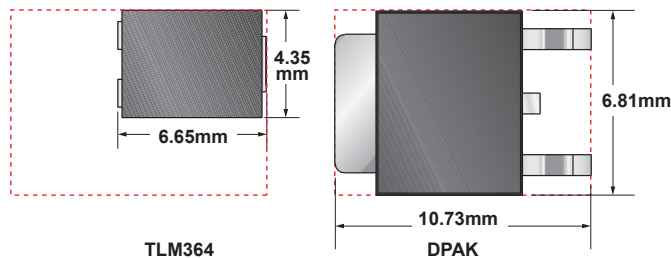
- DC-DC output rectification
- Reverse polarity protection
- By-pass diode
- OR-ing diode

Benefits:

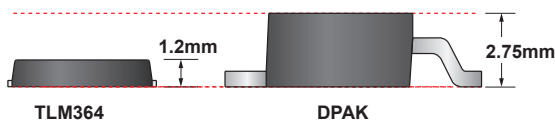
- High current density
- Low profile package
- Energy efficiency

Package Size and Comparison:

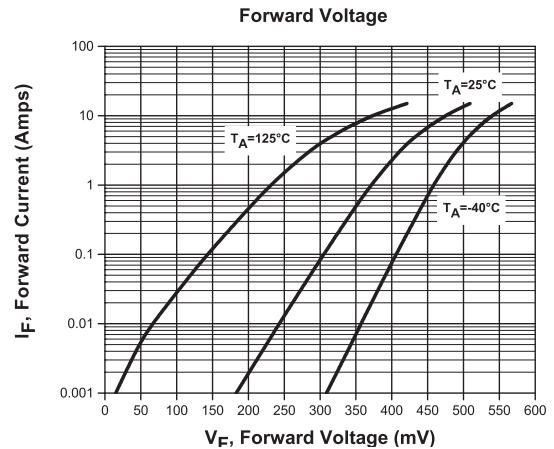
The TLM364 utilizes **60%** less board space than the DPAK



The TLM364 has a **56%** lower profile than the DPAK



Typical Electrical Characteristics



Samples



To request samples visit:
www.centrasemi.com/info/CTLSH15-30M364

Weblink:

Use QR reader for direct link to product web page,
or use: www.centrasemi.com/info/CTLSH15-30M364



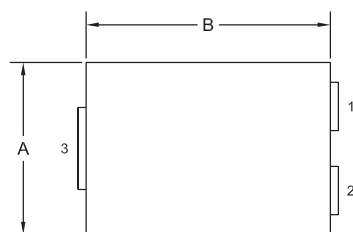
Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)						
V_{RRM}	I_O $T_L = 120^\circ\text{C}$	T_J, T_{stg}	θ_{JA}	V_F		@ I_F	I_R	@ V_R		C_J
(V)	(A)	($^\circ\text{C}$)	($^\circ\text{C}/\text{W}$)	(V)	(V)	(A)	(μA)	(μA)	(V)	(pF)
MAX	MAX	MAX	MAX	TYP	MAX		TYP	MAX		TYP
30	15	-55 to +150	110	0.51	0.56	15	25 *20mA	100 50	30 30	920

* $T_A = 125^\circ\text{C}$

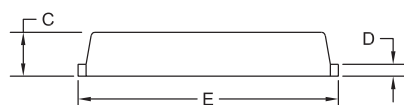
CTLSH15-30M364

15A, 30V Low V_F Schottky Rectifier in the TLM364 package

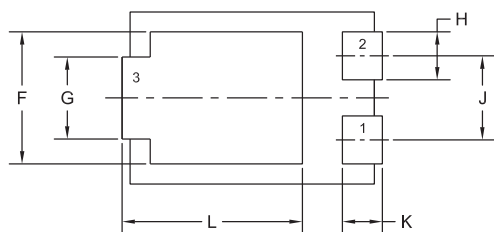
Mechanical Drawing - TLM364



TOP VIEW



SIDE VIEW



BOTTOM VIEW

R0

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.167	0.172	4.25	4.35
B	0.238	0.243	6.05	6.15
C	0.039	0.048	1.00	1.20
D	0.009	0.014	0.25	0.35
E	0.250	0.262	6.35	6.65
F	0.128	0.136	3.25	3.45
G	0.076	0.085	1.95	2.15
H	0.044	0.052	1.10	1.30
J	0.083		2.10	
K	0.035	0.044	0.90	1.10
L	0.171	0.183	4.35	4.65

TLM364 (REV:R0)

Lead Code:

- 1) Anode
- 2) Anode
- 3) Cathode

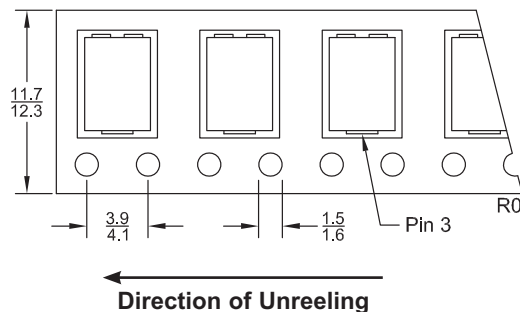
Marking Code:

CTSH1530

Tape Dimensions and Orientation

(Dimensions in mm)

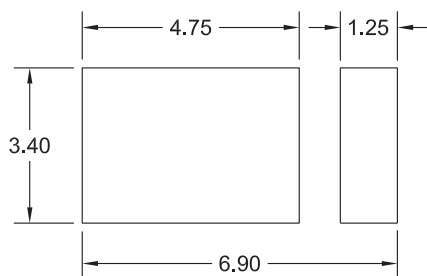
Tape Width: 12mm



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

Mounting Pad Geometry

(Dimensions in mm)



R0

Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
13"	5,000	CTLSH15-30M364 TR13

TR13 = Suffix for 13 inch reels

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Sample devices available upon request. To order samples visit: www.centalsemi.com/info/CTLSH15-30M364



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PB CTLSH15-30M364