

CMLSH05-10DA

500mA, 100V Dual, Isolated Opposing Schottky Diode in SOT-563 package



SOT-563

Central Semiconductor's CMLSH05-10DA consists of two individual electrically isolated 100 volt Schottky diodes with opposing polarity and packaged in the space saving SOT-563 surface mount case. This device has been designed for size constrained applications requiring high voltage Schottky diodes.

Features:

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

Applications:

- LED drive circuits
- DC-DC converter output rectification
- Power management
- Reverse polarity protection

Benefits:

- Smallest 100V dual, isolated Schottky diode
- Energy efficiency

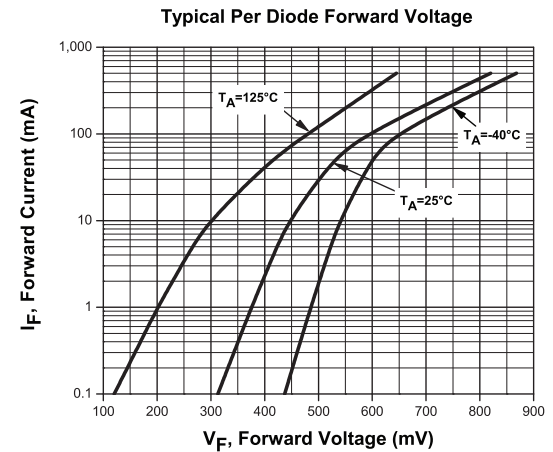
Literature



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Typical Electrical Characteristic



Samples



To order samples of this device visit:
www.centralsemi.com/info/CMLSH05-10DA

Weblink

Use QR reader
for direct link to
product web page,
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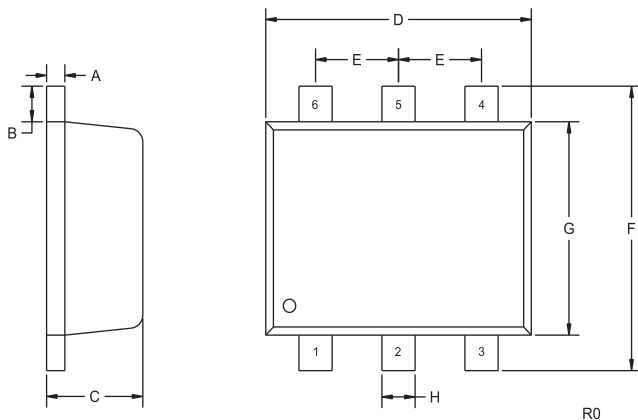


Maximum Ratings (T _A = 25°C unless otherwise noted)				Electrical Characteristics (T _A = 25°C unless otherwise noted)					
V _{RRM}	I _F	T _J , T _{stg}	I _{FSM}	V _F		@ I _F	I _R		@ V _R
(V)	(mA)	(°C)	(mA)	(V)	(V)	(mA)	(μA)	(μA)	(V)
MAX	MAX	MAX	MAX	TYP	MAX		TYP	MAX	
100	500	-65 to +150	750	0.82	0.85	500	0.1	5.0	100

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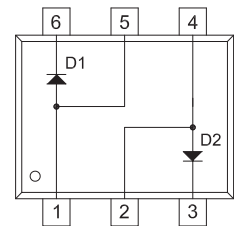
Mechanical Drawing - SOT-563



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
A	0.004	0.007	0.10	0.18
B	0.008		0.20	
C	0.022	0.024	0.56	0.60
D	0.059	0.067	1.50	1.70
E	0.020		0.50	
F	0.061	0.067	1.55	1.70
G	0.047		1.20	
H	0.006	0.012	0.15	0.30

SOT-563 (REV: R0)

Pinout

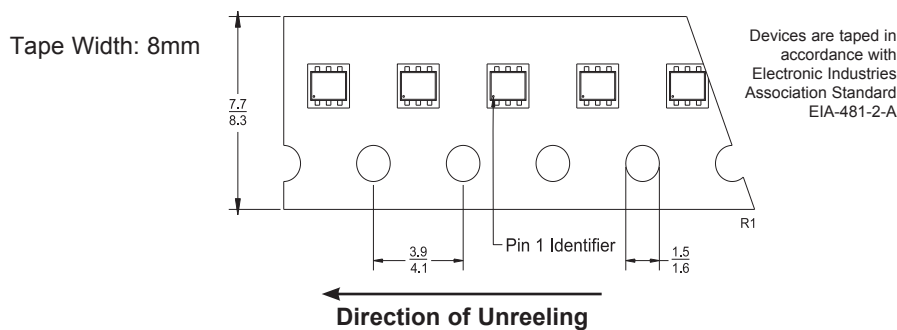


LEAD CODE:

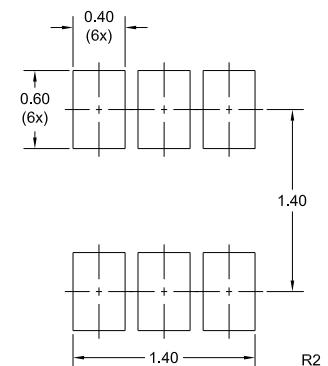
- 1) Anode D1
- 2) Anode D2
- 3) Cathode D2
- 4) Anode D2
- 5) Anode D1
- 6) Cathode D1

MARKING CODE: 10C

Tape Dimensions and Orientation (Dimensions in mm)



Mounting Pad Geometry (Dimensions in mm)



Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
7"	3,000	CMLSH05-10DA TR

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	3	9,000	8x7x2	20x18x5	1	1
	9	27,000	9x9x5	23x23x13	3	2
	18	54,000	9x9x9	23x23x23	6	3
	40	120,000	21x9x9	53x23x23	13	6
	108	324,000	27x9x17	69x23x43	34	16

Sample devices available upon request. To order samples visit: www.centrasemi.com/info/CMLSH05-10DA



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