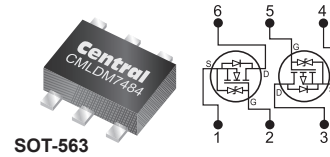


CMLDM7484 N-Channel and P-Channel Complementary MOSFETs in the SOT-563



The Central Semiconductor CMLDM7484 consists of complementary 30V, 450mA N-Channel and P-Channel MOSFETs, packaged in the space saving 6 lead SOT-563 surface mount case. This energy efficient device is an integrated solution designed for circuits requiring N-Channel and P-Channel MOSFETs with close comparable electrical characteristics. The CMLDM7484 offers low $r_{DS(ON)}$ and low threshold voltage.

Features:

- ESD protection up to 2kV
- 350mW power dissipation
- Low $r_{DS(ON)}$
- Low threshold voltage
- Low input capacitance

Applications:

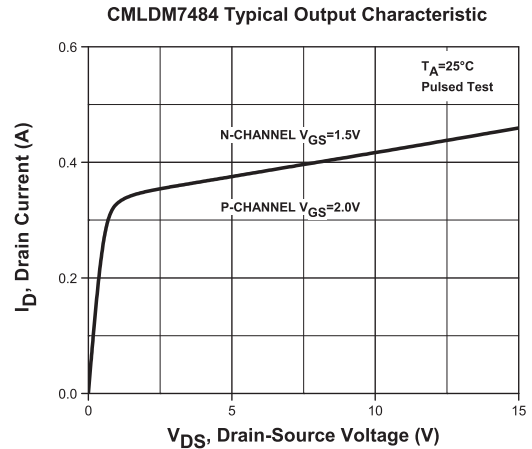
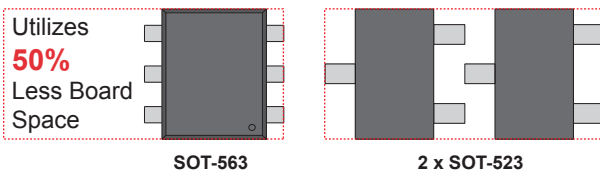
- Load power switches
- DC-DC conversion
- Battery charging circuits
- Boost switching

Benefits:

- Space saving SOT-563 surface mount package
- Energy efficient
- Complementary N-Channel and P-Channel
- Facilitates component count reduction

Package Comparison:

The SOT-563 utilizes **50%** less board space than two SOT-523 devices.



Samples and Literature



To order samples of this device visit:
www.centalsemi.com/info/CMLDM7484

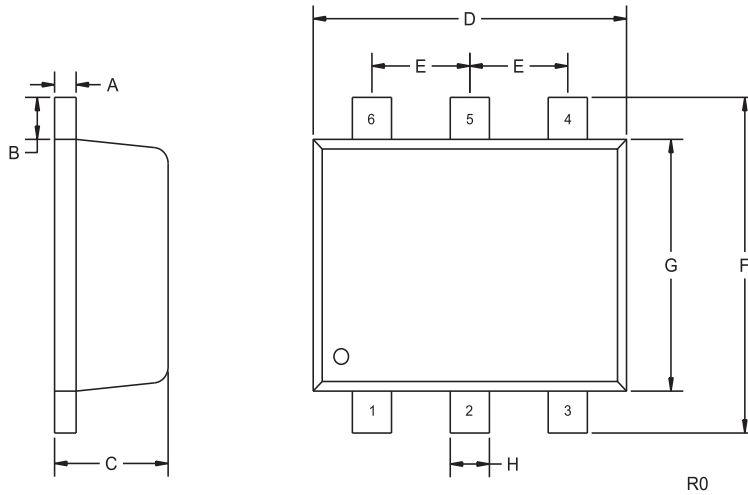


Order your selection guide today.
Visit: web.centalsemi.com/search/sample.php

	Electrical Characteristics										Thermal Characteristics		
	BV _{DSS} (V)	I _D (mA)	V _{GS(th)} (V)		r _{DS(ON)} (Ω)		@ V _{GS}		C _{iss} (pF)	C _{rss} (pF)	PD (mW)	T _J , T _{stg} (°C)	Θ _{JA} (°C/W)
			MIN	MAX	TYP	MAX	(V)	@ I _D (mA)					
N-Channel	30	450	0.5	1.0	0.28 0.39 0.55	0.46 0.56 0.73	4.5 2.5 1.8	200 100 75	45	10	350*	-65 to +150	357
P-Channel	30	450	0.5	1.0	1.0 1.5 2.6	1.1 2.0 3.3	4.5 2.5 1.8	430 200 100	55	10	350*	-65 to +150	357

* Notes: (1) Ceramic or aluminum core PC Board with copper mounting pad area of 4.0mm²

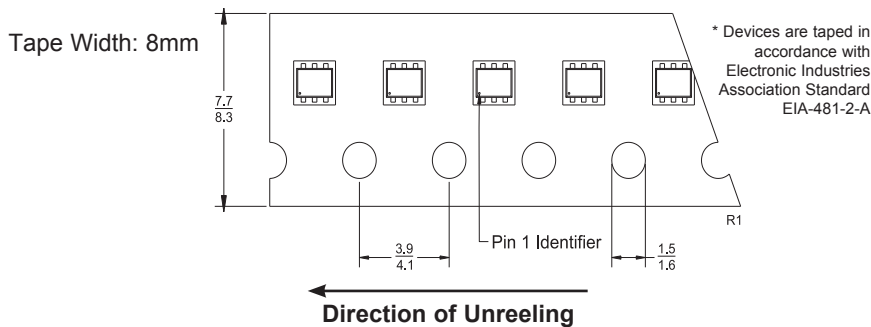
Mechanical Drawing - SOT-563



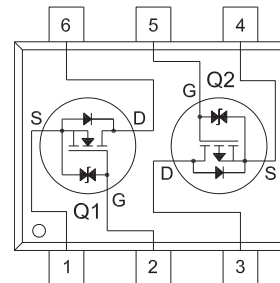
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.004	0.007	0.10	0.18
B	0.008		0.20	
C	0.022	0.024	0.56	0.60
D	0.059	0.067	1.50	1.70
E	0.020		0.50	
F	0.061	0.067	1.55	1.70
G	0.047		1.20	
H	0.006	0.012	0.15	0.30

SOT-563 (REV: R0)

Tape Dimensions and Orientation (Dimensions in mm)



Pinout



LEAD CODE:

- 1) Source Q1
- 2) Gate Q1
- 3) Drain Q2
- 4) Source Q2
- 5) Gate Q2
- 6) Drain Q1

Marking Code:
8C7

Packaging Base

7" Reel = 3,000 pcs. (add TR suffix to part number)

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 of this device visit: www.centrasemi.com/info/CMLDM7484



Innovative Discrete Semiconductors

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