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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CS223-2M is an epoxy molded SCR designed for sensing circuit applications and control systems.

NOT RECOMMENDED FOR NEW DESIGN-USE CS223-4M

MARKING: FULL PART NUMBER

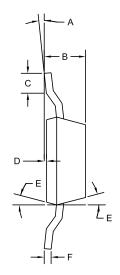
	UM RATINGS: (T _C =25°C unless otherwise note epetitive Off-State Voltage	ed) SYMBOL VDRM, VRRM	6	00	UNITS	
	n-State Current (T _C =60°C)	IT(RMS)	2.0		A	
	ne Cycle Surge, t=10ms	ITSM		10	A	
-	e for Fusing, t=10ms	l ² t		0.5	A ² s	
	ate Power, tp=10µs	PGM	2.0		W	
	e Gate Power Dissipation	P _G (AV)	0.1		W	
-	ate Current, tp=10µs	IGM	1.0		A	
	ate Voltage, tp=10µs	V _{GM}	8.0		V	
	ng Junction Temperature	TJ	-50 to +125		°C	
·	Temperature	T _{stg}	-50 to +150		°C	
Thermal Resistance		ΘJA	62.5		°C/W	
ELECT SYMB	RICAL CHARACTERISTICS: (T _C =25°C unless DL TEST CONDITIONS	otherwise noted)	ТҮР	МАХ	UNITS	
DRM,		WIIN	111	10	μΑ	
IDRM,				100	μA	
I _{GT}	V_{D} =12V, R _L =10 Ω		38	200	μA	
ЧH	I _T =50mA, R _{GK} =1.0KΩ		1.0	2.0	mA	
V _{GT}	$V_D=12V, R_L=10\Omega$		0.55	0.8	V	
VTM	I _{TM} =4.0A, tp=380µs		1.4	1.7	V	
dv/dt	V _D =400V, R _{GK} =1.0KΩ, T _C =125°C	10			V/µs	

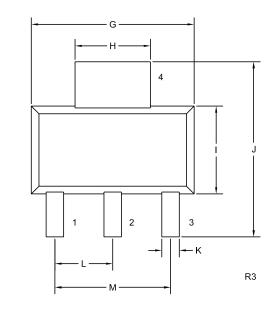
R4 (6-January 2016)





SOT-223 CASE - MECHANICAL OUTLINE





LEAD CODE: 1) Cathode 2) Anode 3) Gate

4) Anode

MARKING: FULL PART NUMBER

DIMENSIONS							
	INCHES		MILLIMETERS				
SYMBOL	MIN	MAX	MIN	MAX			
А	0°	10°	0°	10°			
В	0.059	0.071	1.50	1.80			
С	0.018	_	0.45				
D	0.000	0.004	0.00	0.10			
E	15°		15°				
F	0.009	0.014	0.23	0.35			
G	0.248	0.264	6.30	6.70			
Н	0.114	0.122	2.90	3.10			
	0.130	0.146	3.30	3.70			
J	0.264	0.287	6.70	7.30			
K	0.024	0.033	0.60	0.85			
L	0.091		2.30				
М	0.181		4.60				
SOT-223 (REV: R3)							

R4 (6-January 2016)

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OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options

- Custom bar coding for shipments
- Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

CONTACT US

Corporate Headquarters & Customer Support Team

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Product End of Life Notification

PDN ID:	PDN01068
Notification Date:	10/23/17
Last Buy Date:	
Last Shipment Date	10/23/18

Summary: The CS223-2M silicon controlled rectifier is discontinued and is now classified as End of Life (EOL).

Although Central Semiconductor Corp. makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by various manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's Product Management Process. Any replacement product will be noted below. The effective date for placing the last purchase order will be six(6) months from the date of this notice and twelve(12) months from the notice date for final shipments; this may be extended if inventory is available.

Central Part Number	Replacement		
CS223-2M TR	CS223-4M TR	Н	

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. Please email your requests to engineering@centralsemi.com.

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.