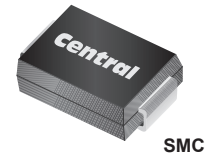


CM SH5-100HV | CM SH5-200HV CM SH5-150HV

5.0A, 100V thru 200V Schottky Rectifiers in the SMC package



Central Semiconductor's CM SH5-100HV series of 100V, 150V and 200V high efficiency 5 amp surface mount Schottky rectifiers provide high reverse voltage capability for use in applications where energy efficiency, power density and small package size are critical design elements.

Features:

- High reverse voltage capability
- Low reverse leakage
- Very low forward voltage
- High surge capability

Applications:

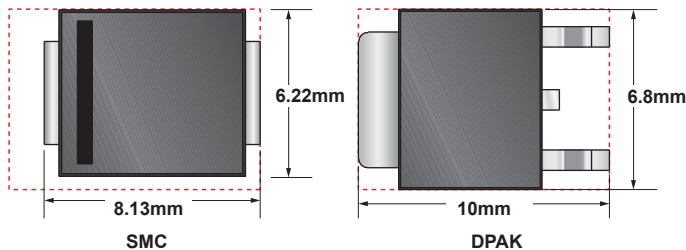
- Reverse polarity protection
- DC-DC converter output rectification
- By-pass diode

Benefits:

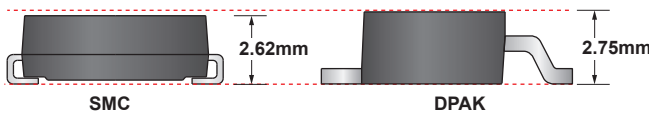
- Energy efficiency
- High reliability
- Space savings
- Industry standard package

Package Size and Comparison:

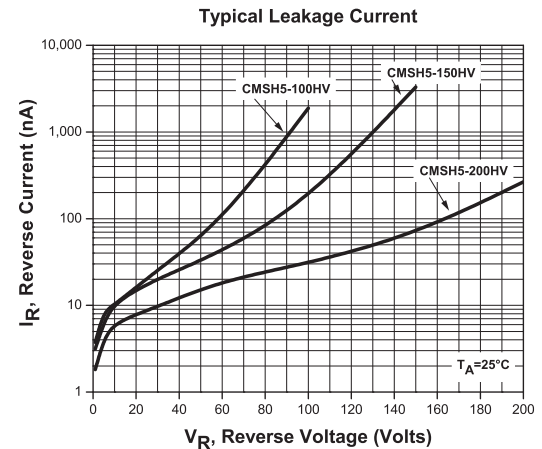
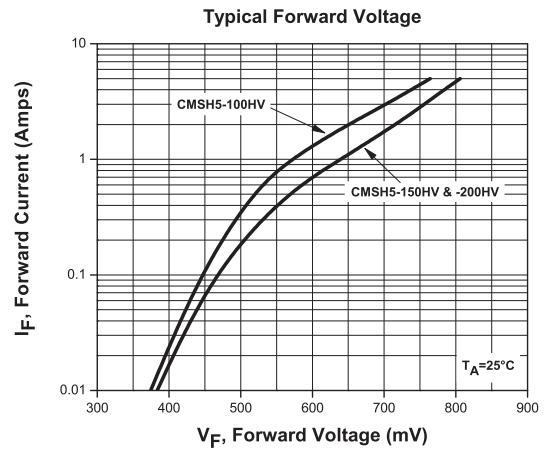
The SMC utilizes **26%** less board space than the DPAK



The SMC has a **5%** lower profile than the DPAK



Typical Electrical Characteristics



Samples



To order samples of this device visit:
www.centrasemi.com/info/CM SH5

	Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise noted)				
	V_{RRM} (V) MAX	I_O $T_L = 75^\circ\text{C}$ (A) MAX	T_J, T_{stg} ($^\circ\text{C}$) MAX	I_{FSM} (A) MAX	V_F		I_F	I_R	V_R
					(V) TYP	(V) MAX	(A)	MAX	(V)
CM SH5-100HV	100	5.0	-65 to +175	100	0.77	0.80	5.0	50 μA 10mA	100 ($T_J = 100^\circ\text{C}$)
CM SH5-150HV	150	5.0	-65 to +175	100	0.81	0.90	5.0	50 μA 10mA	150 ($T_J = 100^\circ\text{C}$)
CM SH5-200HV	200	5.0	-65 to +175	100	0.81	0.90	5.0	50 μA 10mA	200 ($T_J = 100^\circ\text{C}$)

Use QR reader for direct link to product web page.

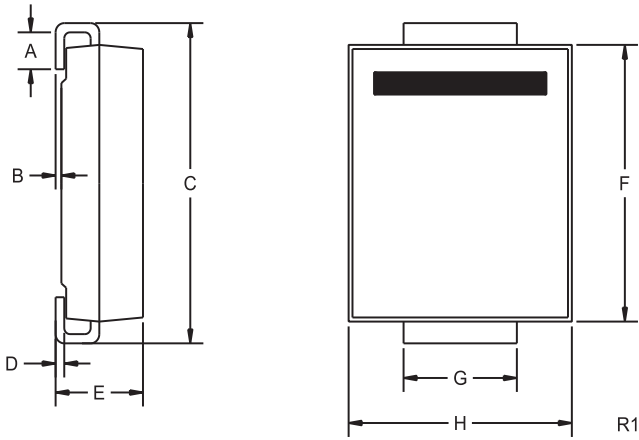
weblink scan



CM5H5-100HV | CM5H5-200HV CM5H5-150HV

5.0A, 100V thru 200V Schottky Rectifiers in the SMC package

Mechanical Drawing - SMC



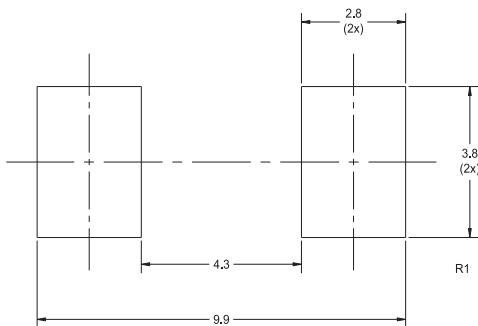
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.030	0.060	0.76	1.52
B	0.004	0.008	0.10	0.20
C	0.305	0.320	7.75	8.13
D	0.006	0.012	0.15	0.31
E	0.079	0.103	2.00	2.62
F	0.260	0.280	6.60	7.11
G	0.108	0.124	2.75	3.15
H	0.220	0.245	5.59	6.22

SMC (REV: R1)

Part Marking

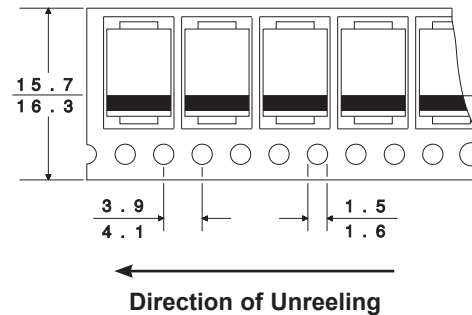
DEVICE	MARKING CODE
CM5H5-100HV	CS510HV
CM5H5-150HV	CS515HV
CM5H5-200HV	CS520HV

Mounting Pad Geometry (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 16mm



* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-2-A

Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
13"	3,000 pcs.	CM5H5-100HV TR13
		CM5H5-150HV TR13
		CM5H5-200HV TR13

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
13"	4	12,000	15x4x15	38x10x38	12	6
	9	27,000	15x15x9	38x38x23	25	12
	18	54,000	15x15x18	38x38x46	49	23

Literature



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