

APPLICATIONS:

- · Hand held portable equipment
- Networks, servers and telecom
- Desktop and notebook computers
- Instrumentation



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CSMF03V3C Series is a 5 Line TVS/Zener Array packaged in an SOT-363 surface mount case. These devices are designed to protect sensitive electronic equipment, such as computers, networking communication, cell phones and instrumentation from over-voltage transients and ESD damage. Available in voltages ranging from 3.3V to 24V.

MARKING CODES: CSMF03V3C: CF03 (CSMF05C: CF05 (CSMF12C: CF12

CF03 CSMF15C: CF15 CF05 CSMF24C: CF24

FEATURES:

- Very low clamping voltage
- · Low leakage current
- 100W power dissipation
- SMD SOT-363 package

MAXIMUM RATINGS: (T _A =25°C unless otherwise noted)	SYMBOL		UNITS
Peak Pulse Power (8x20µs)	P _{pp}	100	W
ESD Voltage (IEC 61000-4-2, Air)	VESD	20	kV
ESD Voltage (IEC 61000-4-2, Contact)	V _{ESD}	15	kV
Operating and Storage Junction Temperature	T _J , T _{stq}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25°C unless otherwise noted)

ТҮРЕ	Maximum Reverse Stand-Off Voltage V _{RWM}	Rev Break	mum erse down age D ^I BR	Leal Cur	mum erse kage rent VR	Clam Volt 8x2	0	Clam Volt 8x2	mum iping tage 0µs 0 IPP	Maximum Off State Junction Capacitance (V _R =0, f=1.0MHz) C _J
	v	V	mA	μA	v	v	Α	v	A	pF
CSMF03V3C	3.3	4.7	10	250	3.3	7.5	5.0	9.0	9.0	160
CSMF05C	5.0	6.2	1.0	0.5	5.0	10	5.0	11	9.0	100
CSMF12C	12	13.3	1.0	0.5	12	18	3.0	20	5.0	50
CSMF15C	15	16.6	1.0	0.5	15	23	3.0	25	4.0	40
CSMF24C	24	26.7	1.0	0.5	24	35	1.0	45	2.0	30

R4 (6-April 2015)

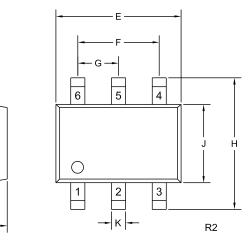
CSMF03V3C CSMF15C CSMF05C CSMF24C CSMF12C



SURFACE MOUNT SILICON 5-LINE TVS/ZENER ARRAY 3.3 VOLT THRU 24 VOLT

A

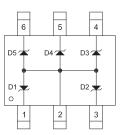
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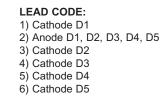


SOT-363 - CASE - MECHANICAL OUTLINE

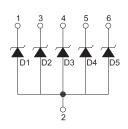
DIMENSIONS						
	INCHES		MILLIM	ETERS		
SYMBOL	MIN	MAX	MIN	MAX		
А	0.004	0.010	0.10	0.25		
В	0.005	-	0.12	-		
С	0.000	0.004	0.00	0.10		
D	0.031	0.043	0.80	1.10		
Е	0.071	0.087	1.80	2.20		
F	0.051		1.	30		
G	0.026		0.65			
Н	0.075	0.091	1.90	2.30		
J	0.043	0.055	1.10	1.40		
K	0.006	0.012	0.15	0.30		
SOT-363 (REV: R2)						

PIN CONFIGURATION





SCHEMATIC



MARKING CO	ODES:
CSMF03V3C	: CF03
CSMF05C:	CF05
CSMF12C:	CF12
CSMF15C:	CF15
CSMF24C:	CF24

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SERVICES

- · Bonded Inventory
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- Custom Electrical Characteristic Curves
- SPICE Models
- Custom Packaging
- Package Base Options
- Custom Device Development/Multi Discrete Modules (MDM™)
- Bare Die Available for Hybrid Applications

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