

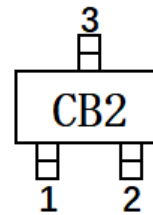
Applications

- * Power Management
- * Industrial Application
- * Power Supply Protection
- * Many other portable devices
- * SOT-23 Package

Ordering Information

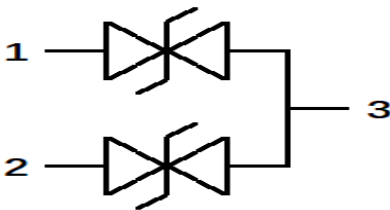
Part Number	Packaging	Reel Size
PESD2CAN,215-CN	3000/Tape & Reel	7 inch

Marking Diagram



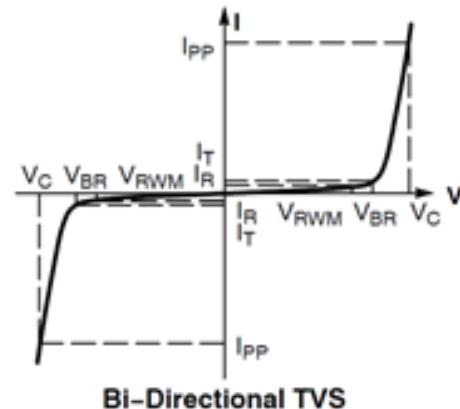
Transparent top view

Circuit Diagram



Portion Electronics Parameter

Symbol	Parameter
V_{RWM}	Peak Reverse Working Voltage
I_R	Reverse Leakage Current @ V_{RWM}
V_{BR}	Breakdown Voltage @ I_T
I_T	Test Current
I_{PP}	Maximum Reverse Peak Pulse Current
V_C	Clamping Voltage @ I_{PP}



Absolute Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20 μs)	Ppk	360	W
Peak Pulse Current (8/20 μs)	IPP	6	A
ESD per IEC 61000-4-2 (Air)	VESD	± 20	kV
ESD per IEC 61000-4-2 (Contact)		± 15	
Operating Temperature Range	TJ	-55 to +125	$^{\circ}\text{C}$
Storage Temperature Range	Tstg	-55 to +150	$^{\circ}\text{C}$

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Working Voltage	V_{RWM}				24	V
Breakdown Voltage	V_{BR}	$I_T = 1\text{mA}$, Pin1/Pin2-Pin3	27		31.5	V
Breakdown Voltage	V_{BR}	$I_T = 1\text{mA}$, Pin1-Pin2	54		62	V
Reverse Leakage Current	I_R	$V_{RWM} = 24\text{V}$			0.5	μA
Clamping Voltage	V_C	$I_{PP} = 1\text{A}$ (8 / 20 μs pulse), Pin1/Pin2-Pin3			43	V
Clamping Voltage	V_C	$I_{PP} = 6\text{A}$ (8 / 20 μs pulse), Pin1/Pin2-Pin3			60	V
Clamping Voltage	V_C	$I_{PP} = 1\text{A}$ (8 / 20 μs pulse), Pin1-Pin2			86	V
Clamping Voltage	V_C	$I_{PP} = 6\text{A}$ (8 / 20 μs pulse), Pin1-Pin2			120	V
Junction Capacitance	C_J	$V_R = 0\text{V}$, $f = 1\text{MHz}$, Pin1/Pin2-Pin3		15	20	pF
Junction Capacitance	C_J	$V_R = 0\text{V}$, $f = 1\text{MHz}$, Pin1- Pin2		8	10	pF

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