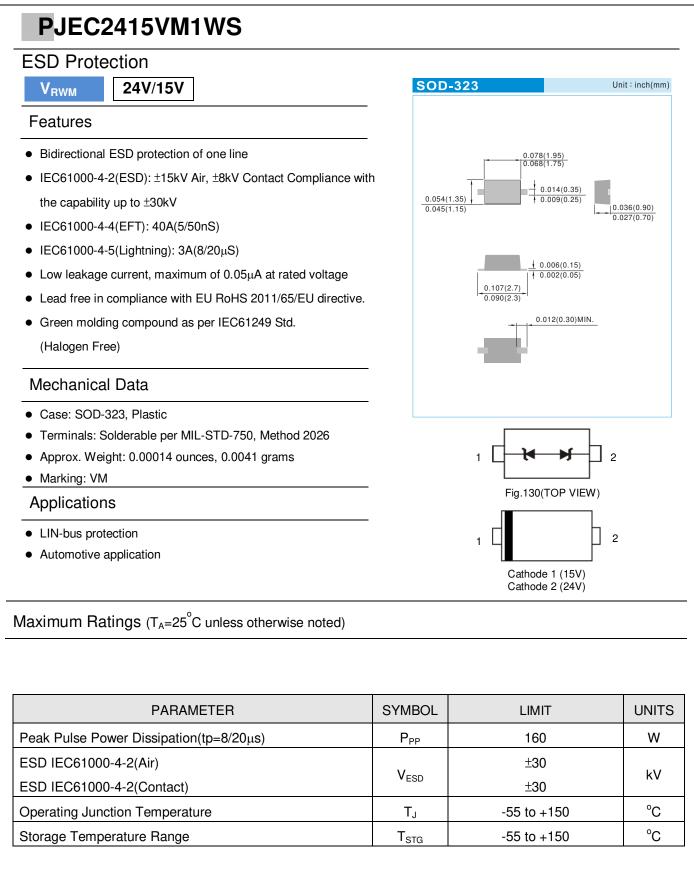


 $\mathcal{O}_{\mathcal{O}}$ 







Fleetrical	Characteristics	r ~°^			
Electrical	Characteristics (	T <sub>A</sub> =25 C	uniess	otherwise	notea)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Reverse Stand-Off Voltage (24V)	V	-	-	-	24	V
Reverse Stand-Off Voltage (15V)	V <sub>RWM</sub>	-	-	-	15	V
Reverse Breakdown Voltage (24V)	Ň	I <sub>BR</sub> =5mA	25.4	-	30.3	V
Reverse Breakdown Voltage (15V)	V <sub>BR</sub>		17.1	-	20.3	V
Reverse Leakage Current (24V)		V <sub>R</sub> =24V	-	1	50	
Reverse Leakage Current (15V)	l <sub>R</sub>	V <sub>R</sub> =15V	-	1	50	nA
	- V <sub>CL</sub>	I <sub>PP</sub> =1A, t <sub>P</sub> =8/20μs	-	-	40	V
Clamping Voltage (24V)		I <sub>PP</sub> =3A, t <sub>P</sub> =8/20μs	-	-	50	
Clamping Voltage (15V)		I <sub>PP</sub> =1A, t <sub>P</sub> =8/20μs	-	-	25	
		I <sub>PP</sub> =5A, t <sub>P</sub> =8/20μs	-	-	35	
Off State Junction Capacitance	CJ	0Vdc Bias f=1MHz	-	13	17	pF

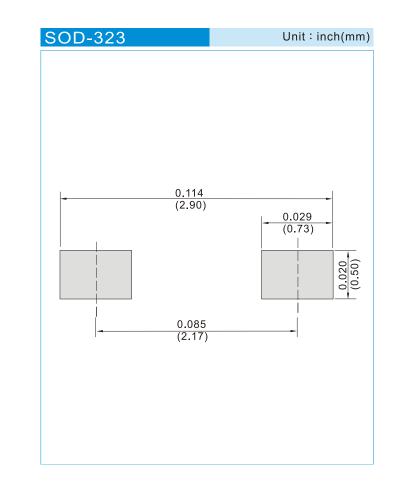


#### PJEC2415VM1WS **TYPICAL CHARACTERISTIC CURVES** C<sub>J</sub>, Junction Capacitance (pF) 7 b 9 8 01 71 CJ, Junction Capacitance (pF) V<sub>R</sub>, Reverse Bias Voltage (V) V<sub>R</sub>, Reverse Bias Voltage (V) Fig.1 Typical Junction Capacitance(24V) Fig.2 Typical Junction Capacitance(15V) Clamping Voltage (V) Clamping Voltage (V) 01 02 05 Š Š 1.5 2 I<sub>PP</sub>, Peak Pulse Current (A) 2.5 1.5 2.5 IPP, Peak Pulse Current (A) Fig.4 Typical Peak Clamping Voltage(8/20µs)(15V) Fig.3 Typical Peak Clamping Voltage(8/20µs)(24V) 50% of I pp@20μs TLP Current (A) Percent of I pp -10 -20 Rise time 10-90%-8µs -30 -40 -40 -20 time, µs TLP Voltage (V) Fig.5 8/20µs Pulse Waveform Fig.6 Transmission Line Pulsing (TLP) Measurement





#### MOUNTING PAD LAYOUT



#### **ORDER INFORMATION**

Packing information
 T/R – 12K per 13" plastic Reel
 T/R – 5K per 7" plastic Reel





#### Part No\_packing code\_Version

PJEC2415VM1WS\_R1\_00001 PJEC2415VM1WS\_R2\_00001

## For example :

RB500V-40\_R2\_00001

Serial number

Version code means HF
Packing size code means 13"

Part No.

- Packing type means T/R

Packing Code XX				Version Code XXXXX		
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	x			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			





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