



PJSD03W~PJSD36W

SINGLE LINE TVS DIODE FOR ESD PROTECTION PORTABLE ELECTRONICS

VOLTAGE

3~36 Volt

POWER

350 Watt

SOD-323

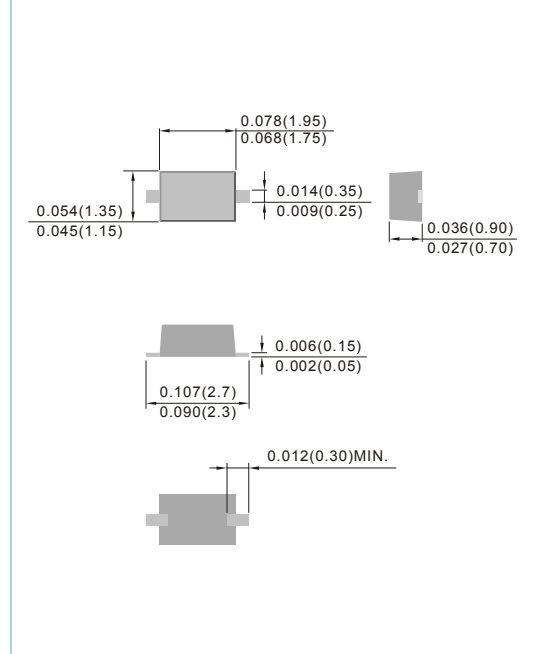
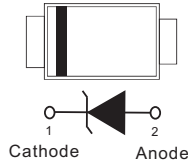
Unit : inch(mm)

FEATURES

- 350 Watts peak pules power (tp=8/20μs)
- Small package for use in portable electronics
- Suitable replacement for MLV'S in ESD protection applications
- Low clamping voltage and leakage current
- IEC 61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound æ per IEC61249 Std. . (Halogen Free)

APPLICATIONS

- Case : SOD-323 plastic
- Terminals : Solderable per MIL-STD-750,Method 2026
- Polarity : Color band cathode
- Apprx. Weight : 0.0001 ounce, 0.0041 gram



MAXIMUM RATINGS AND ELECTRICAL CHATACTERISTICS

ABSOLUTE MAXIMUM RATING

Rating	Symbol	Value	Units
Peak Pulse Power (tp=8/20 μs)	P _{PK}	350	W
ESD Voltage	V _{ESD}	25	KV
Operating Temperature	T _J	-50 to 150	°C
Storage Temperature	T _{STG}	-50 to 150	°C

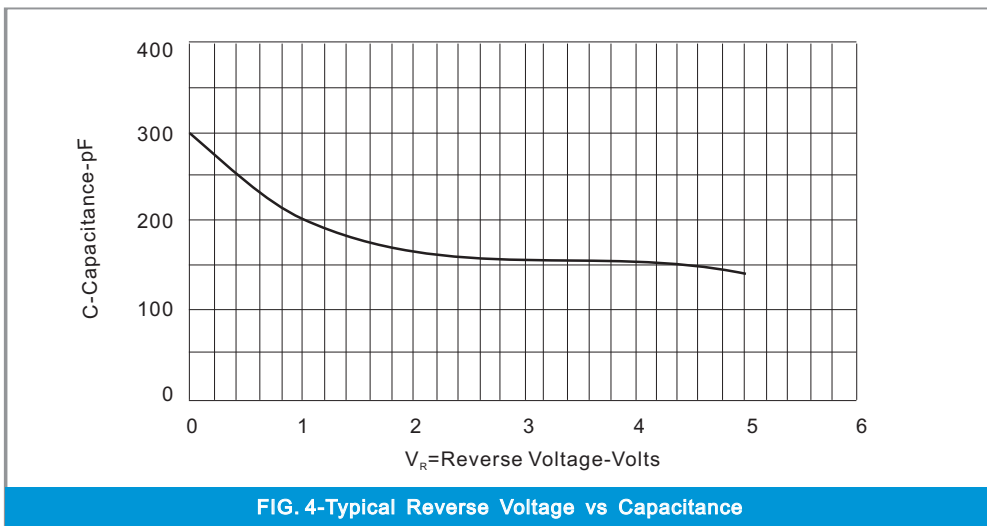
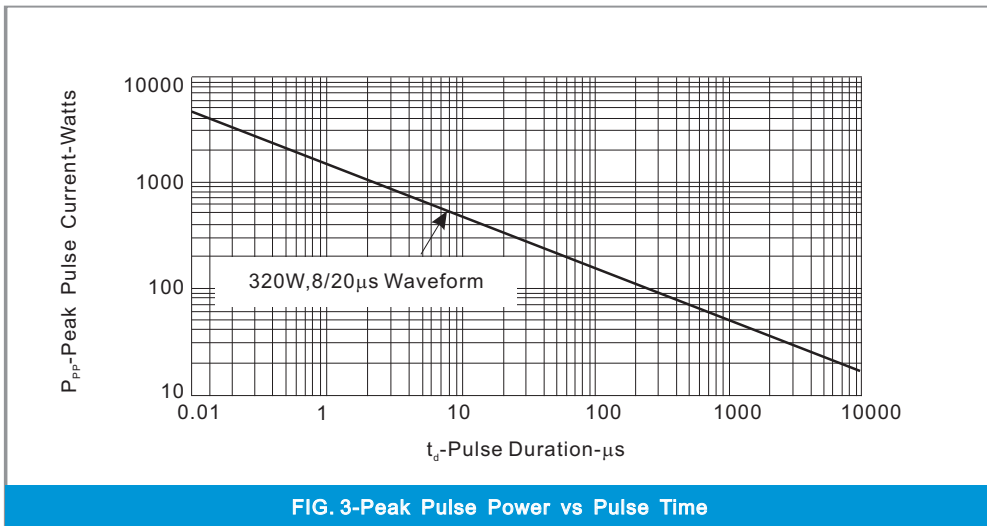
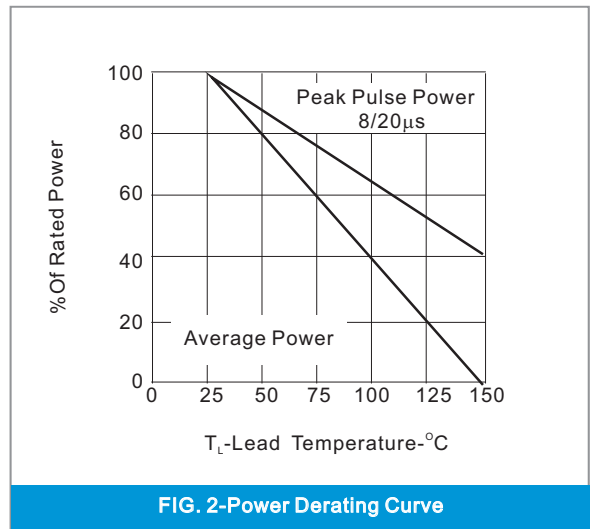
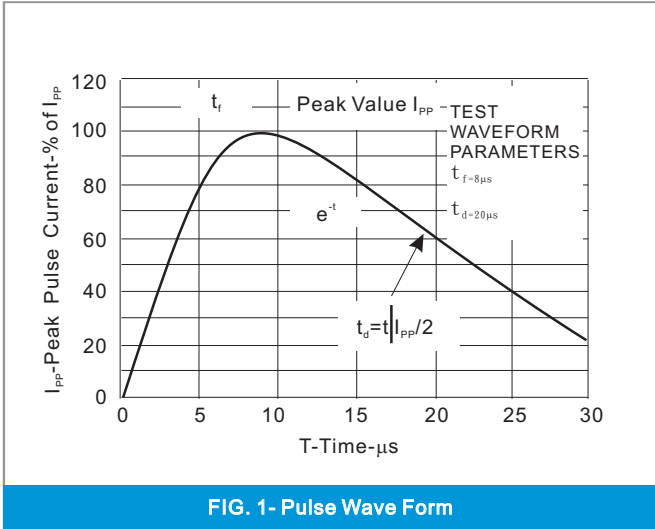


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PJSD15W Marking 15W						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	15	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	16.7	-	20	V
Reverse Leakage Current	I_R	$V_R=15V$	-	-	1	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=1A$	-	-	24	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	120	-	pF
Off State Junction Capacitance	C_J	5Vdc Bias=f=1MHz	-	30	-	pF
PJSD24W Marking 24W						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	24	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	26.6	-	30	V
Reverse Leakage Current	I_R	$V_R=24V$	-	-	1	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=1A$	-	-	43	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	80	-	pF
Off State Junction Capacitance	C_J	5Vdc Bias=f=1MHz	-	10	-	pF
PJSD36W Marking 36W						
Parameter	Symbol	Conditions	Min.	Typical	Max.	Units
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	36	V
Reverse Breakdown Voltage	V_{BR}	$I_{BR}=1mA$	39.9	-	45	V
Reverse Leakage Current	I_R	$V_R=36V$	-	-	1	μA
Clamping Voltage(8/20 μs)	V_C	$I_{PP}=1A$	-	-	60	V
Off State Junction Capacitance	C_J	0Vdc Bias=f=1MHz	-	30	-	pF
Off State Junction Capacitance	C_J	5Vdc Bias=f=1MHz	-	1	-	pF



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