

SOD882 ESD

SP	ΈC	IH	CA	۱П	On	1

631	ESD8D3V3CA	SD82	E10
Туре	Туре	Package	Packing
631: ESD	ESD8D3V3CA	SOD882	E10: Embossed tape and reel for 10k pc (7'Reel)

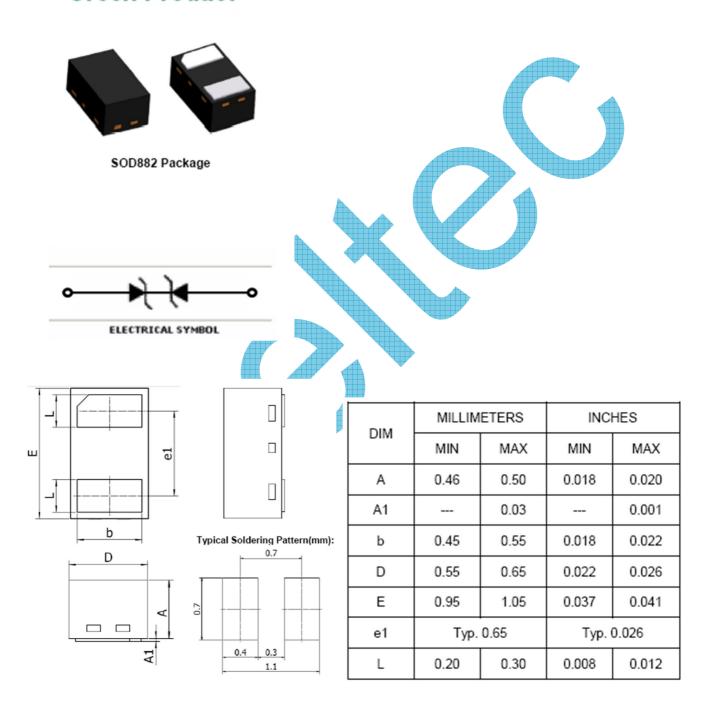


SOD882 FrelTec ESD

ESD8D3V3CA

PACKAGE OUTLINE

Green Product



SOD882 ESD

Absolute Maximum Ratings $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Value	Units
PD	Total Power Dissipation on FR-5 Board	150	mW
TL	Max Lead Solder Temperature range (10 Second Duration)	260	°C
TJ,T _{STG}	Junction & Storage Temperature Range	-55 to +150	°C
TOPR	Maximum Operating Temperature Range	+125	°C
ESD	IEC61000-4-2 Air discharge Contact discharge	±25 ±20	KV

These ratings are limiting values above which the serviceability of the diode may be impaired.

Electrical Characteristics

 $T_A = 25^{\circ}C$ unless otherwise noted

Device Type	V _{RWM} (Volts)	IR @ V _{RWM} (µA)	V _{BR} @ I _T (Note 1) (Volts)		Iτ (mA)	Vc @ Max I _{PP+} =1A (Volts)	IPP+ (A)	Vc @ Max I _{PP+} (Volts)	P _{PK+} (W)	$\mathbf{V_R} = \begin{array}{c} C @ \\ \mathbf{V_R} = 0 \text{V,f} = 1 \text{M}_{\text{Hz}} \\ (\text{pF}) \end{array}$
	Max	Max	Min	Max		Max	Max	Max	Max	Max
ESD8D3V3CA	3,3	0,1	5	6,5	1,0	7	6	10	60	16

⁺Surge current waveform per Figure1.

Note 1: V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25°C

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SURGE CURRENT WAVEFORM:

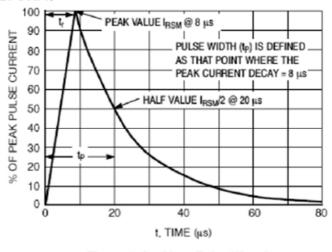
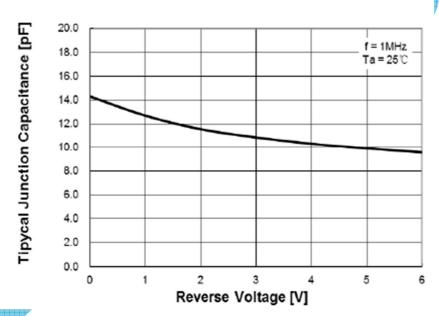
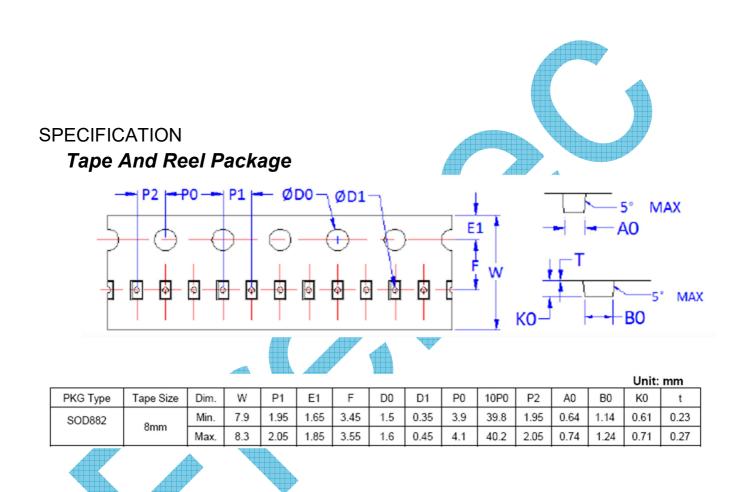


Figure 1. 8 x 20 µs Pulse Waveform

CAPACITANCE CURVE:



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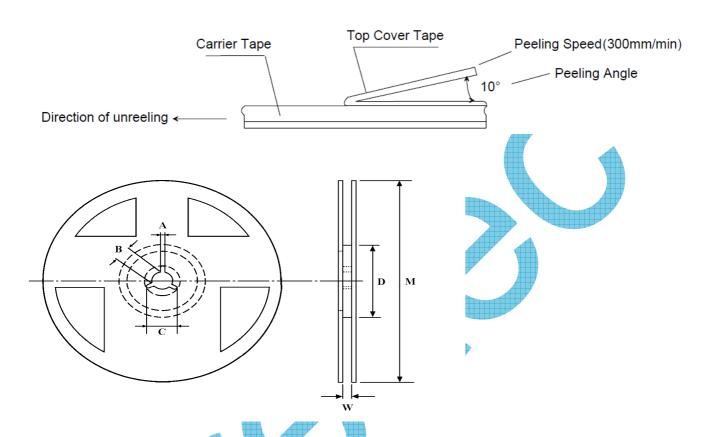


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Cover Tape Peel off Strength

peel force of top cover tape shall be between 8 to 40g Specifications:

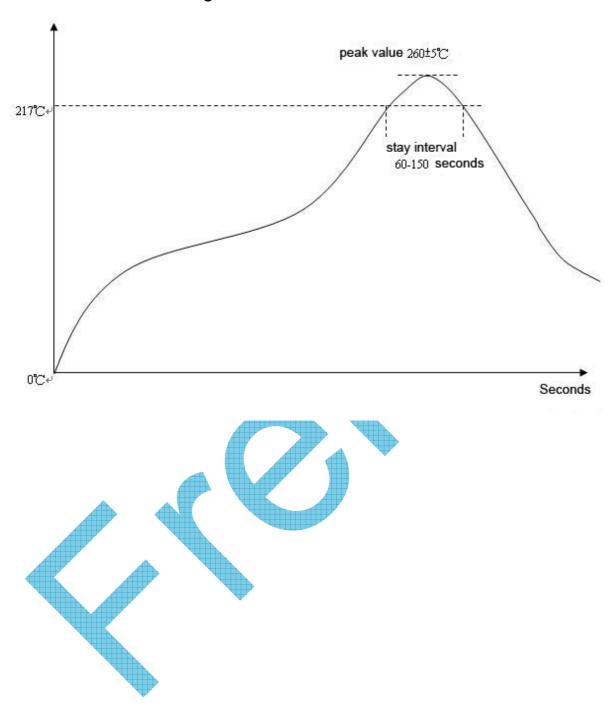
The peel speed shall be about 300mm/min±5%



Туре	Packaging	M	Α	В	С	D	W	Т
	Embossed	178,0±1,0	2±0,5	13,5±0,7	21±0,5	60,0+1,0	13,5±1,0	15,5±1,0

SOD882

Lead Free Reflow Soldering Profile



Stock period

The performance of these products, including the solderability, is guaranteed for 12 month, provided that they remain packed as they were when delivered and stored at a temperature of 25°C ± 3°C and a relative humidity less than 80%RH

SOD882 FrelTec

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