FrelTec

Mathildenstr. 10A 82319 Starnberg Germany

ESI

SOD882

FrelTec ESD

SOD882

SPECIFICATION

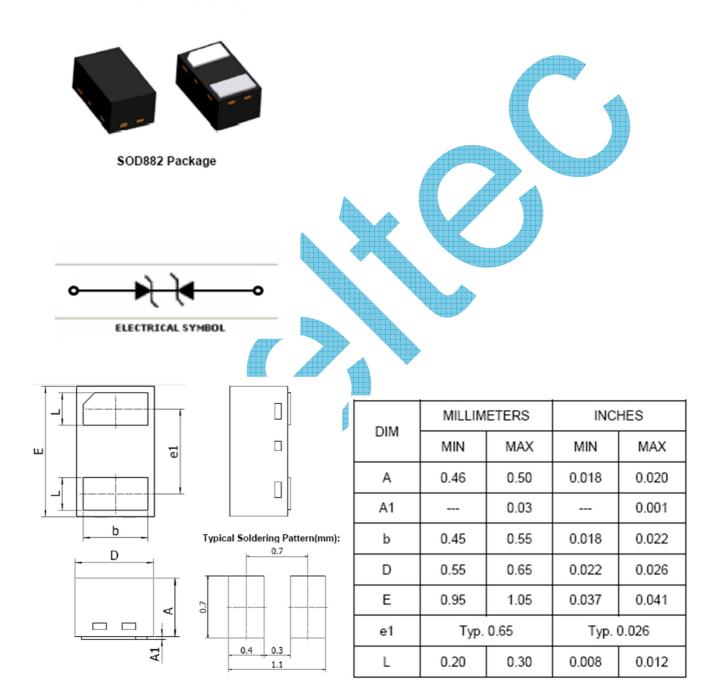
631	ESD8D5V0Cx	SD82	E10
Туре	Туре	Package	Packing
631: ESD	ESD8D5V0C	SOD882	E10: Embossed tape and reel for 10k pc (7'Reel)

All products according to RoHS (2015/863/EU)



FrelTec ESD ESD8D5V0C

PACKAGE OUTLINE Green Product



Absolute Maximum Ratings T_A = 25°C unless otherwise noted

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

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

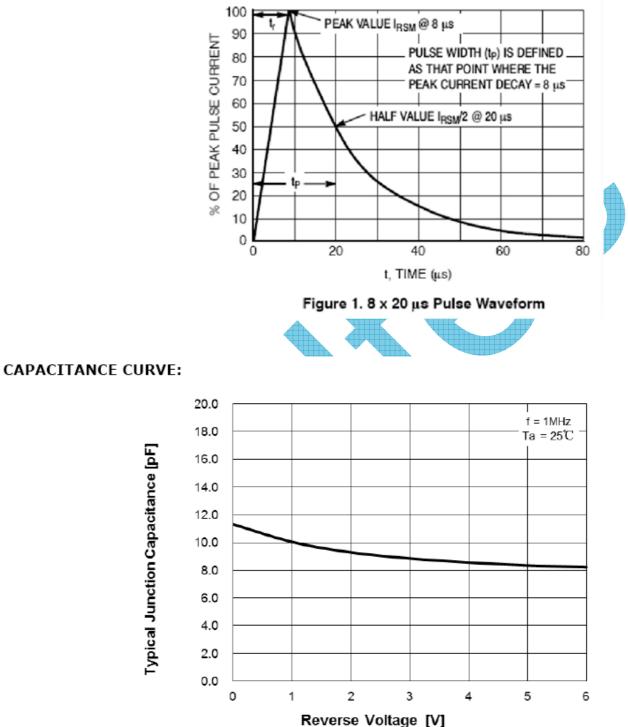
Electrical Characteristics

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

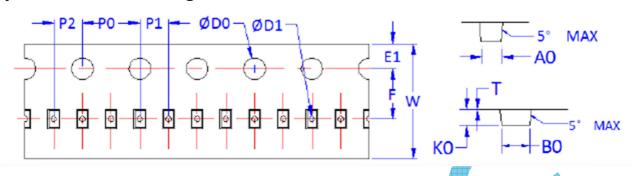
Device Type	V кwм (Volts)	Ir @ Vrwm (μΑ)	V вк @ (Note 1) (Iт (mA)	IPP+ (A)	Vc @ Max Ipp+ (Volts) PPK+ (W)		C @ V _R = 0V,f = 1M _{Hz} (pF)	
	Max	Мах	Min	Мах		Max	Max	Мах	Тур,	
ESD8D5V0C	5,0	0,5	5,6		1,0	5	12	60	15	

+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

SURGE CURRENT WAVEFORM:



SOD882 SPECIFICATION *Tape And Reel Package*

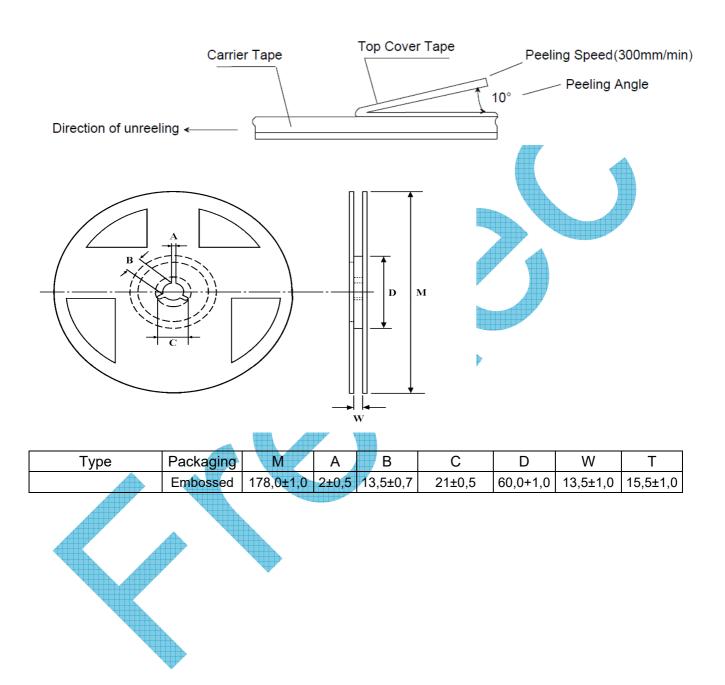


											Unit:	mm			
PKG Type	Tape Size	Dim.	W	P1	E1	F	D0	D1	P0	10P0	P2	A0	B0	K0	t
SOD882	8mm	Min.	7.9	1.95	1.65	3.45	1.5	0.35	3.9	39.8	1.95	0.64	1.14	0.61	0.23
		Max.	8.3	2.05	1.85	3.55	1.6	0.45	4.1	40.2	2.05	0.74	1.24	0.71	0.27

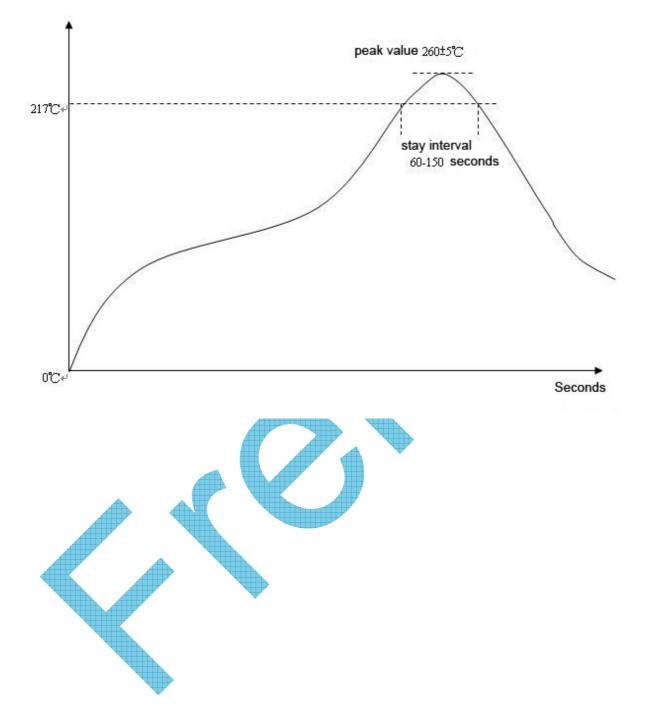
SOD882 Cover Tape Peel off Strength

Specifications:

peel force of top cover tape shall be between 8 to 40g The peel speed shall be about 300mm/min±5%



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 $25^{\circ}C \pm 3^{\circ}C$ and a relative humidity less than 80%RH

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