

# FrelTec

Mathildenstr. 10A  
82319 Starnberg  
Germany

Transistor Diode  
SOT883

## SOT883

## SPECIFICATION

671	2SC4617N3x	ST83	E10
Type	Type	Package	Packing
671: Transistor Diode	2SC4617N3	SOT883	E10: Embossed tape and reel for 10k pc (7'Reel)

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

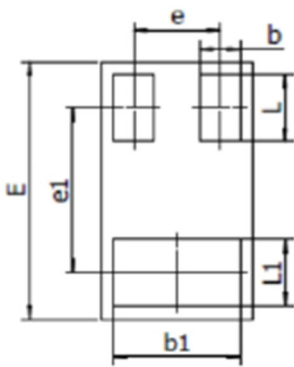
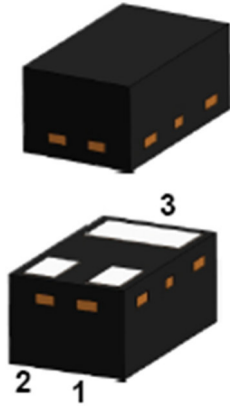
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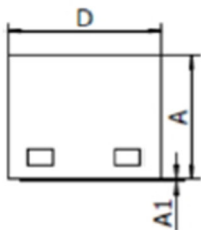
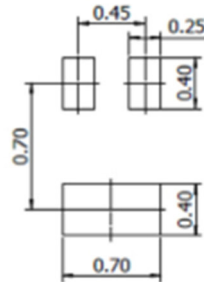
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Transistor Diode

2SC4617

**PACKAGE OUTLINE**



Typical Soldering Pattern(mm):



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	0.46	0.50	0.018	0.020
A1	---	0.03	---	0.001
D	0.55	0.65	0.022	0.026
E	0.95	1.05	0.037	0.041
b	0.12	0.22	0.005	0.008
b1	0.45	0.55	0.018	0.022
L	0.22	0.32	0.008	0.013
L1	0.22	0.32	0.008	0.013
e	Typ. 0.34		Typ. 0.013	
e1	Typ. 0.65		Typ. 0.026	

1/30/2022

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## SOT883

Absolute Maximum Ratings TA = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
PC	Collector Power Dissipation	150	mW
TSTG	Storage Temperature Range	-55 to	°C
TJ	Operating Junction Temperature	+150	°C
VCBO	Collector-Base Voltage	50	V
VCEO	Collector-Emitter Voltage	50	V
VEBO	Emitter-Base Voltage	5	V
IC	Collector Current - Continuous	100	mA

Electrical Characteristics TA = 25°C unless otherwise noted

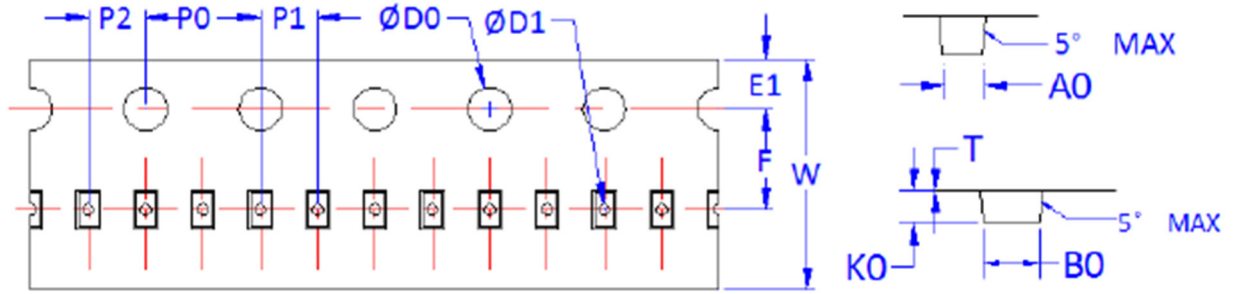
Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typ	Max	
V(BR)CBO	Collector-Base Breakdown Voltage	IC=50uA, IE=0A	50			Volts
V(BR)CEO	Collector-Emitter Breakdown Voltage	IC=1mA, IB=0A	50			Volts
V(BR)EBO	Emitter-Base Breakdown Voltage	IE=50uA, IC=0A	5			Volts
ICBO	Collector Cut-off Current	VCB=50V, IE=0A			0,1	µA
IEBO	Emitter Cut-off Current	VEB=5V, IC=0A			0,1	µA
hFE	DC Current Gain	VCE=6V, IC=1mA	120		560	---
VCE(sat)	Collector-Emitter Saturation Voltage	IC=50mA, IB=5mA			0,4	Volts
fT	Transition Frequency	VCE =5V, IC=10mA		280		MHz
COB	Collector Output Capacitance	VCB =12V, IE =0A, f=1MHz		2,0		pF

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## SPECIFICATION

### *Tape And Reel Package*



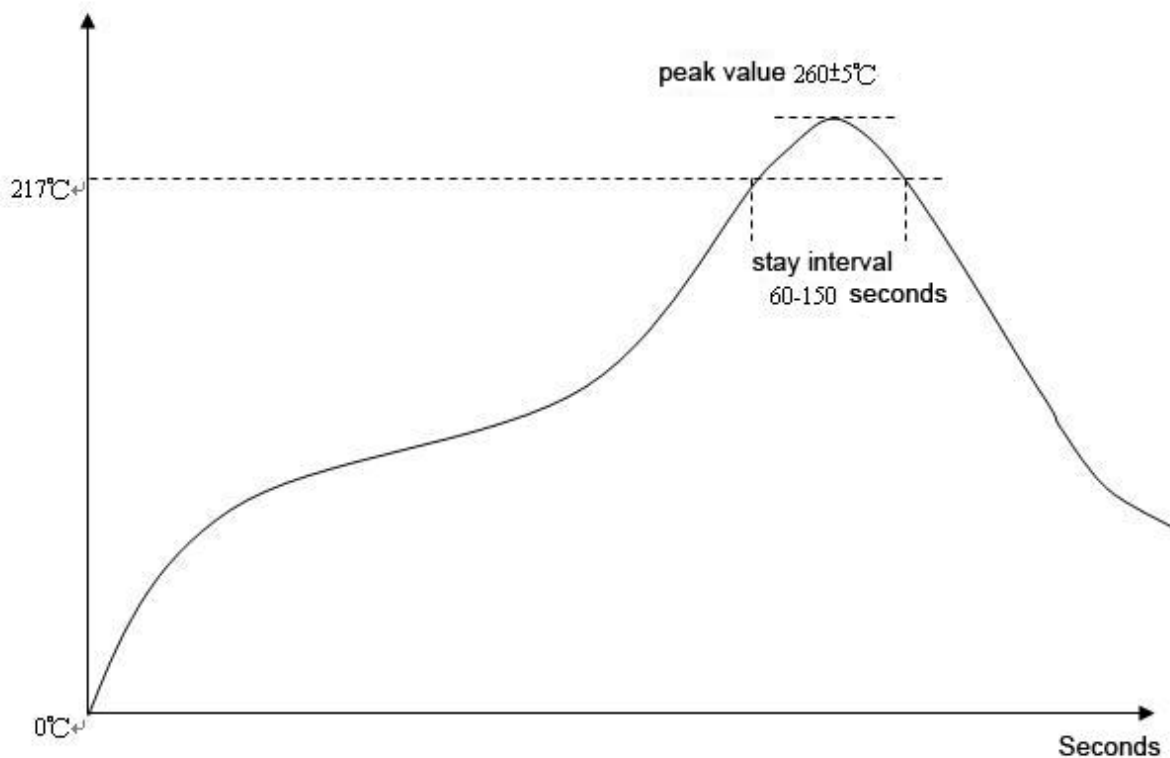
Unit: mm

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

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## Lead Free Reflow Soldering Profile

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

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