

FrelTec

Mathildenstr. 10A
82319 Starnberg
Germany

Schottky Barrier Rectifier
DO27

DO-27

SPECIFICATION

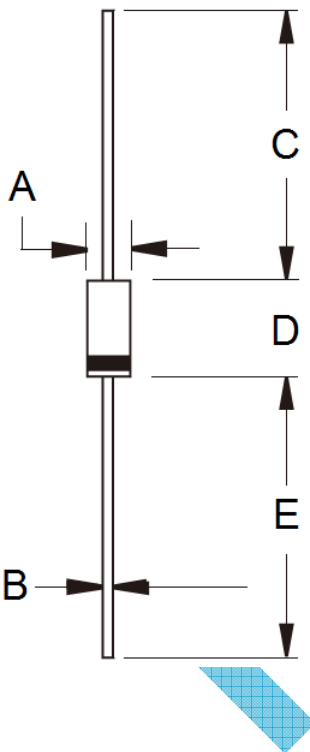
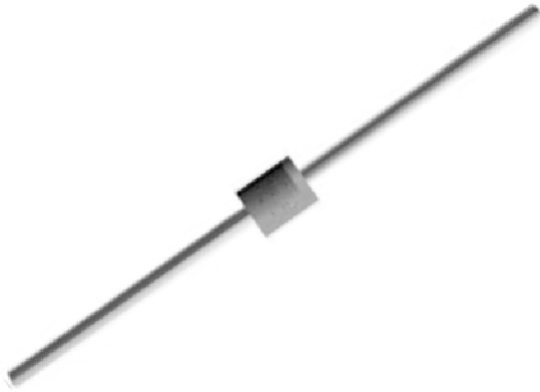
683	1N582_ xxxx	DO27	B0A
Type	Type	Package	Packing
683: Schottky Barrier Rectifier	1N582_	DO27	B0A: tape in box (paper tape) for 500 pc

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

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PACKAGE OUTLINE



DIM.	Unit (mm)	
	Min	Max
A	5,0	5,6
B	1,2	1,3
C	25,4	-
D	8,5	9,5
E	25,4	-

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Schottky Barrier Rectifier

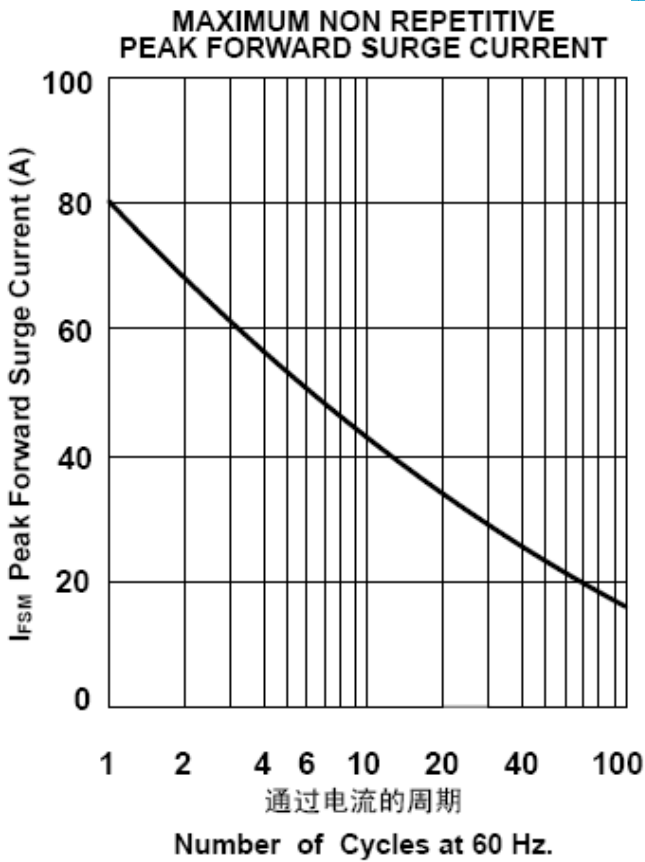
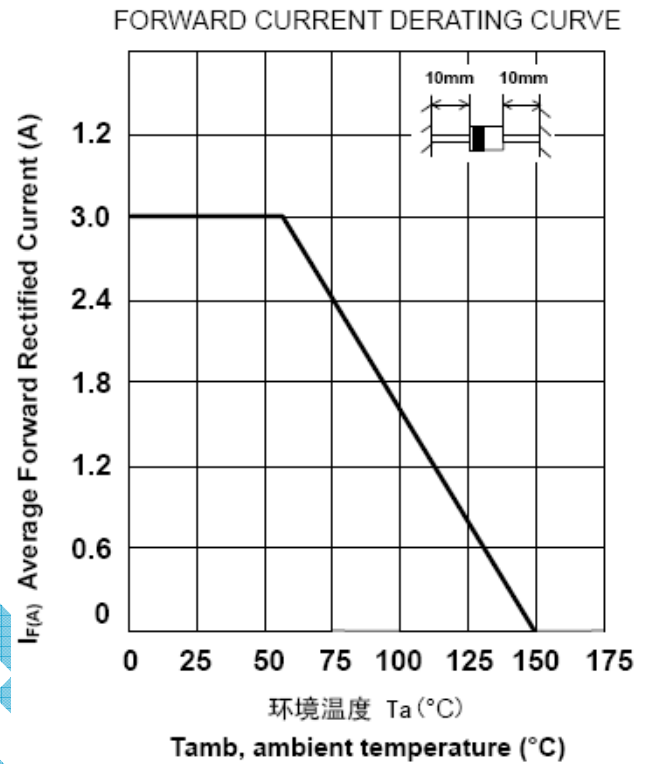
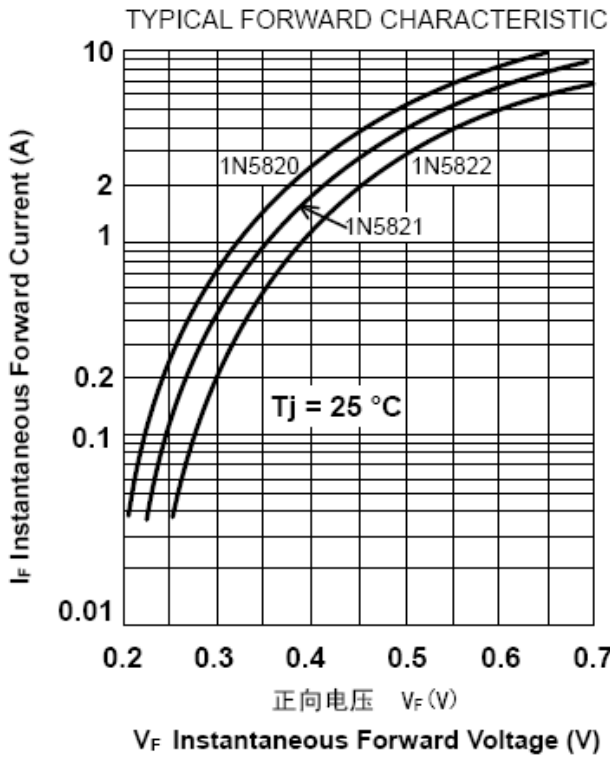
Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified

Parameter	Symbols	1N5820	1N5821	1N5822	Unit
Maximum repetitive peak reverse voltage	VRRM	20	30	40	V
Maximum RMS voltage	VR(RMS)	14	21	28	V
Maximum DC blocking voltage	VDC	20	30	40	V
Maximum average forward rectified current	IFM	3,0			A
Maximum forward voltage	VF	0,475	0,500	0,525	V
Peak forward surge current 8,3 ms single half sine-wave	IFSM	80			A
Maximum reverse current TA = 25°C TA = 100°C	IR	2,0 20			mA
Typical thermal resistance	R θ JA	15			°C/W
VR = 4,0V f = 1,0MHz	Cj	250			pF
Operating junction	Tj	- 55 --- +150			°C

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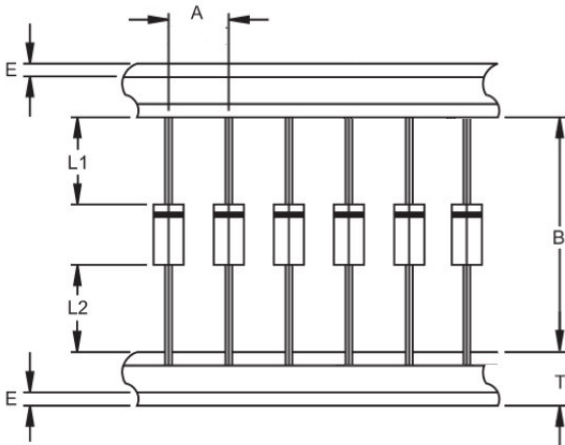
Characteristics(Typical)



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Tape in box (paper tape)



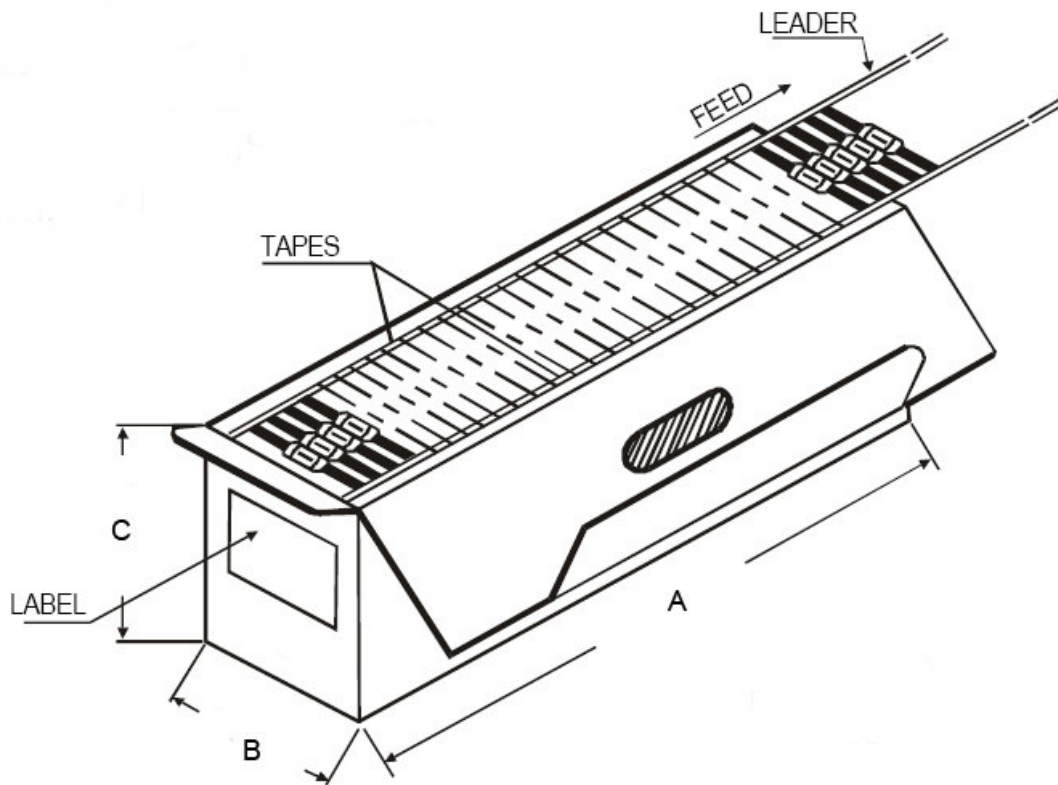
Taping Dimensions	A +/- 0,5mm	B +/- 1,5mm	T	E	L1-L2
DO-27	10mm	52,4mm	2,75~6,4	0,8max	±1,2

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Schottky Barrier Rectifier

This axial-lead component's packaging requirements use in automatic testing and assembly equipment. And this standard practices for lead-tape packaging of axial-lead components meets the requirements of EIA Standard RS-296-D "Lead-taping of Components on Axial Lead Configuration for Automatic Insertion".

Tape & Ammo Outline

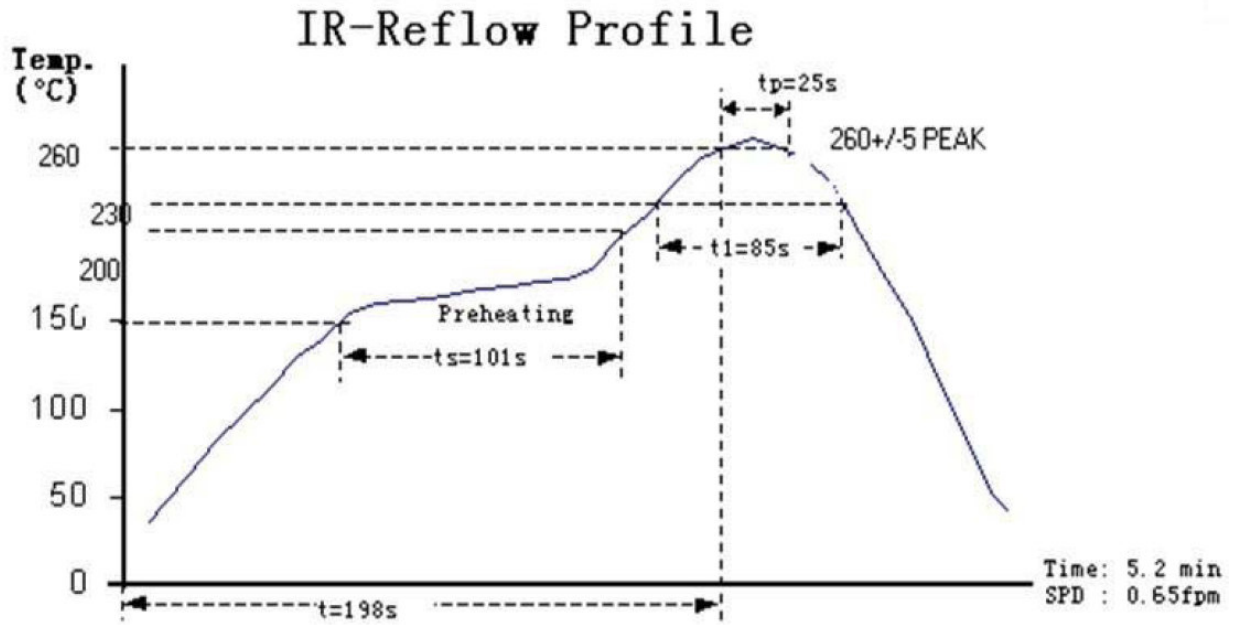


Packaging	Available Product Outlines	Dimension "A"	Dimension "B"	Dimension "C"	Quantity Box
52mm Horizontal Ammo Pack	DO-27	255mm	73mm	77mm	500PCS

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 0-35°C and a relative humidity 35-75%RH

Lead Free Reflow Soldering Profile



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