

FrelTec

Mathildenstr. 10A
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Germany

Fast Recover Rectifier DO41

DO-41

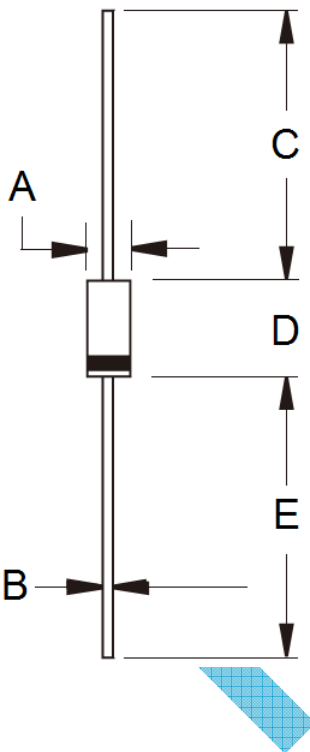
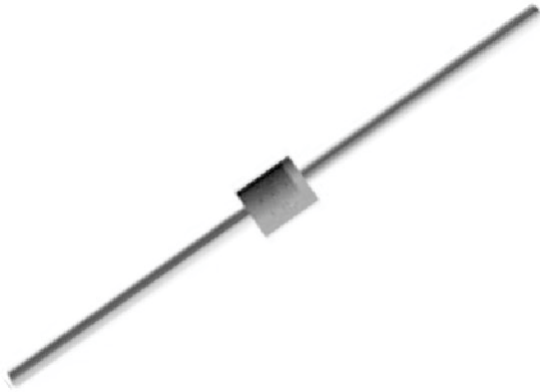
SPECIFICATION

683	1N493_Gxxx	DO41	B0Y
Type	Type	Package	Packing
683: Fast Recover Rectifier	1N493_G	DO41	B0Y: tape in box (paper tape) for 2,5k pc

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

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PACKAGE OUTLINE



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
A	2,0	2,7	0,080	0,107
B	0,7	0,9	0,028	0,034
C	25,4	-	1	-
D	4,2	5,2	0,166	0,205
E	25,4	-	1	-

DO-41

Fast Recover Rectifier

Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbols	1N4933 G	1N4934 G	1N4935 G	1N4936 G	1N4937 G	Unit	
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	V	
Maximum RMS voltage	VRMS	35	70	140	280	420	V	
Maximum DC blocking voltage	VDC	50	100	200	400	600	V	
Maximum average forward rectified current	IF(AV)	1,0						A
Peak forward surge current 8,3 ms single half sine-wave	IFSM	30						A
Typical thermal resistance	RθJA	55						°C/W
Operating junction and storage temperature range	Tj, TSTG	-55 --- +150						°C

Electrical Characteristics

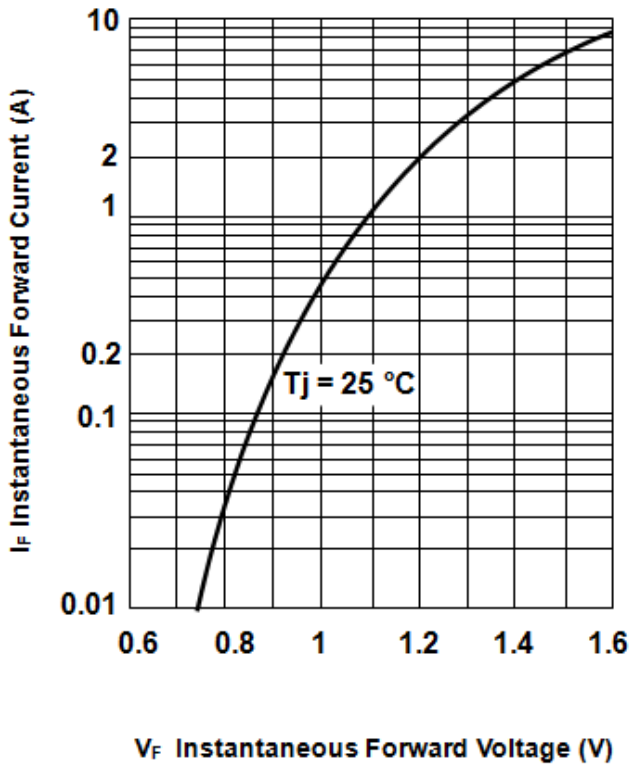
Ratings at 25°C ambient temperature unless otherwise specified

Parameter	Symbols	1N4933 G	1N4934 G	1N4935 G	1N4936 G	1N4937 G	Unit	
IF = 1,0A Maximum forward voltage	VF	1,2						V
Maximum reverse current TA= 25°C TA=125°C	IR	5,0 100						µA
IF=0,5A IR=1,0A IRR=0,25A MAX. Reverse Recovery Time	trr	150						nS
VR = 4,0V, f = 1MHz Type junction capacitance	Cj	12						pF

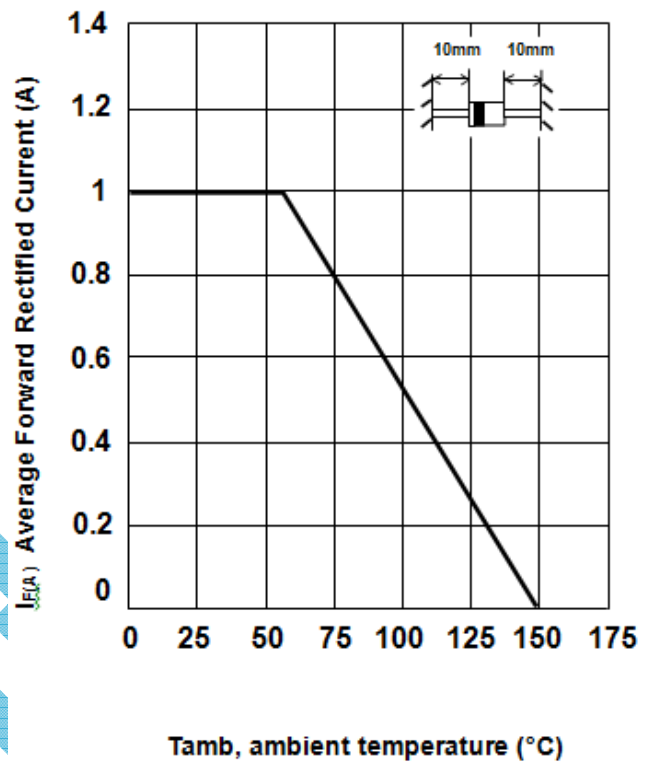
DO-41

Characteristics(Typical)

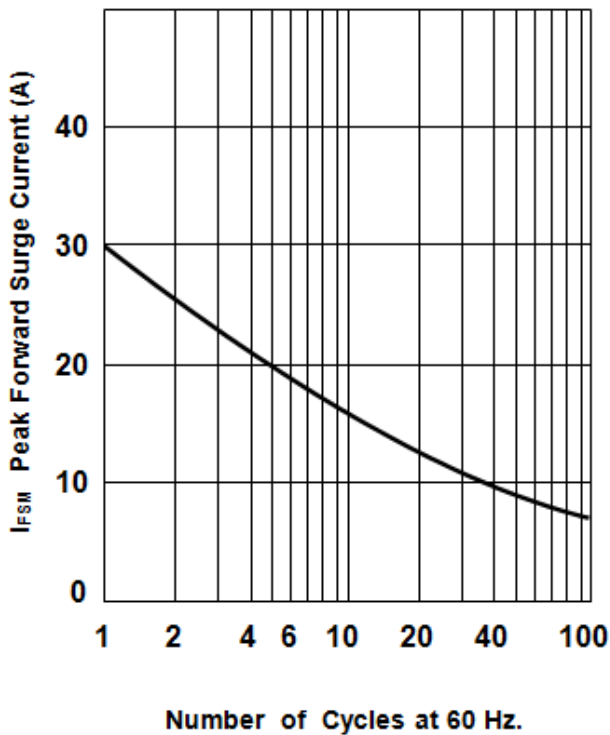
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



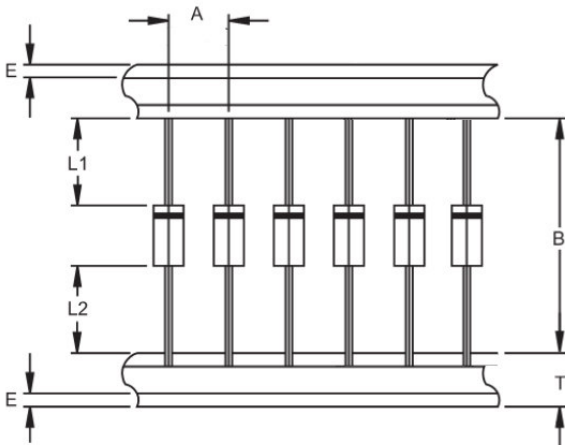
MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



DO-41

SPECIFICATION

Tape in box (paper tape)



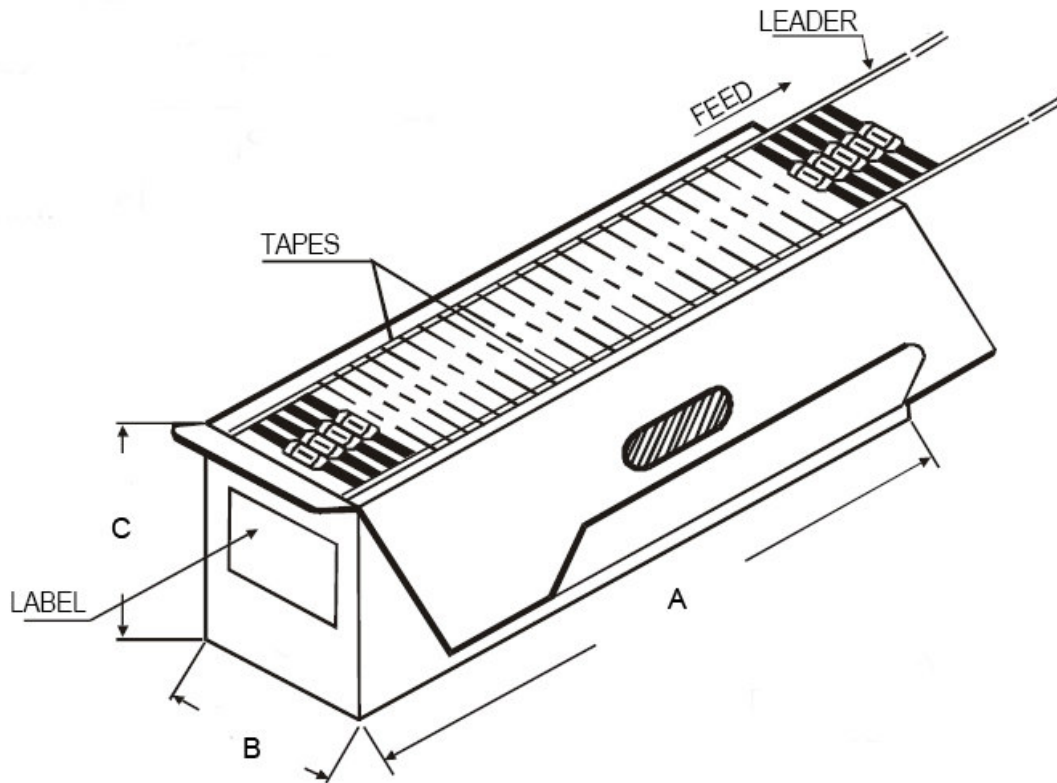
Taping Dimensions	A +/- 0,5mm	B +/- 1,5mm	T	E	L1-L2
DO-41	0,5mm	52,4mm	2,75~6,4	0,8max	±1,2

DO-41

Fast Recover 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

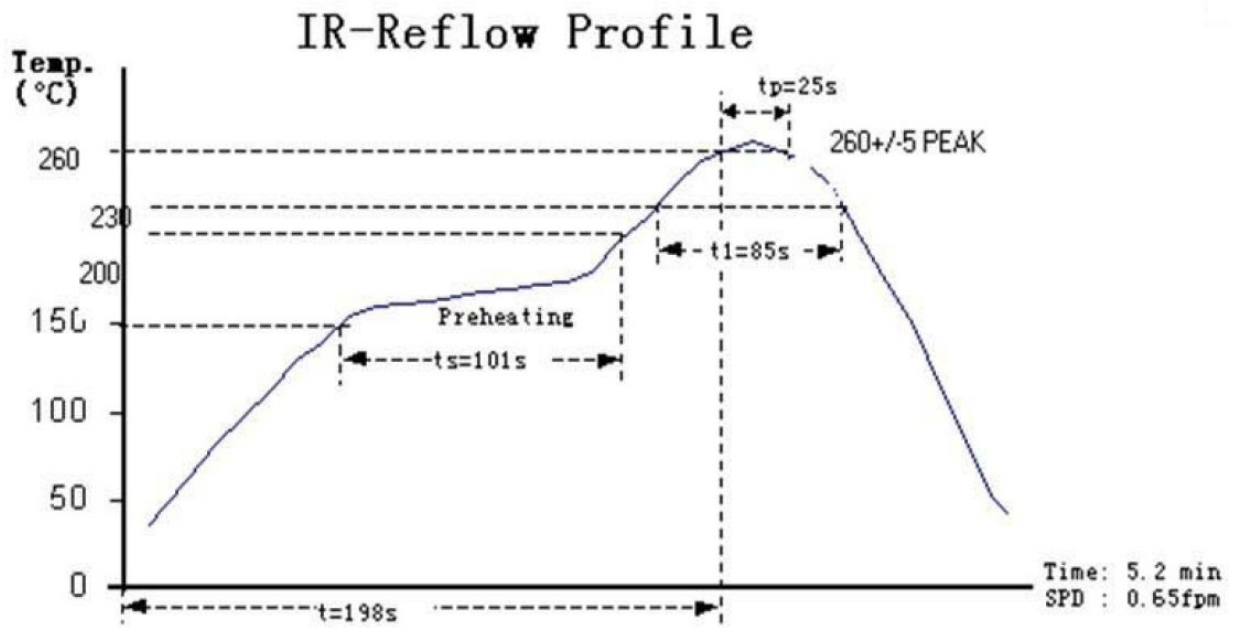


Packaging	Available Product Outlines	Dimension "A"	Dimension "B"	Dimension "C"	Quantity Box
52mm Horizontal Ammo Pack	DO-41	255mm	73mm	77mm	2,5K

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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Published by FrelTec® GmbH
Mathildenstr. 10A; 82319 Starnberg; Germany
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