### FrelTec

Mathildenstr. 10A 82319 Starnberg Germany

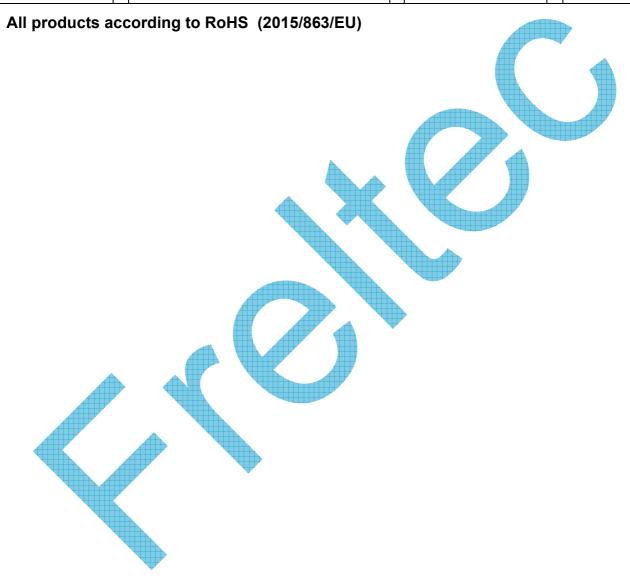
Bridge Rectifier GBL

# FrelTec Bridge Rectifier

### **GBL**

#### **SPECIFICATION**

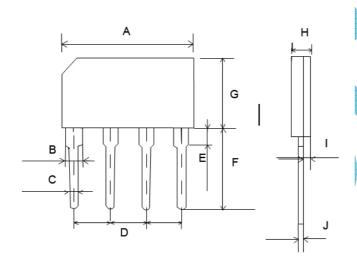
683	D2SB_xxxx	GBLX	P0A
Туре	Туре	Package	Packing
683: Bridge Rectifier	D2SBxxxx	GBL	P0A: bulk in box 500 pc

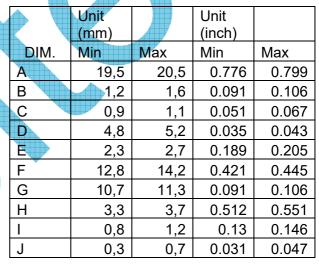


D2SB

#### **PACKAGE OUTLINE**









### **GBL**

Maximum Ratings & Characteristics
Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbols	D2SB20	D2SB40	D2SB60	D2SB80	Unit
Maximum repetitive peak reverse voltage	VRRM	200	400	600	800	V
Maximum RMS voltage	VRMS	140	280	420	560	V
Maximum DC blocking voltage	VDC	200	400	600	800	V
TC =50°C Maximum average forward rectified current	IF(AV)	1,5			A	
Peak forward surge current 8.3 ms single half sine-wave	IFSM		8	0		А
Typical thermal resistance	RθJA		4	7		\M °C
Operating junction and storage temperature range	Tj, TSTG		-55	+150		°C

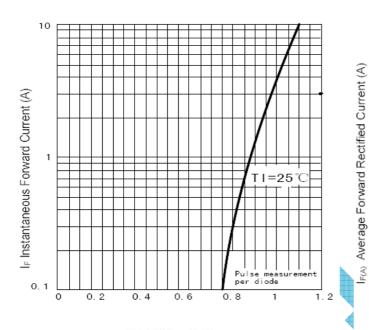
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified

	Symbol	D2SB20 D2SB40 D2SB60 D2SB80	Unit
IF =0,75A Maximum forward voltage	VF	1,05	V
TA= 25°C Maximum reverse current TA = 125°C	IR	10 500	μΑ
VR = 4.0V, f = 1MHz Type junction capacitance	Cj	40	pF

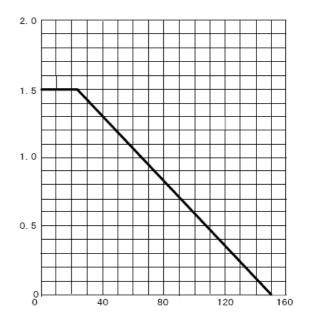
### **GBL**

### **Characteristics(Typical)**

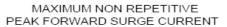
TYPICAL FORWARD CHARACTERISTIC

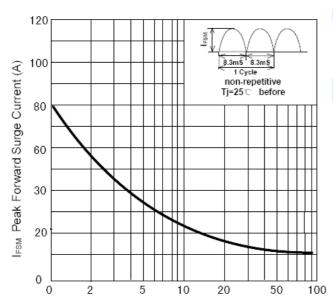


FORWARD CURRENT DERATING CURVE



VF Instantaneous Forward Voltage (V)



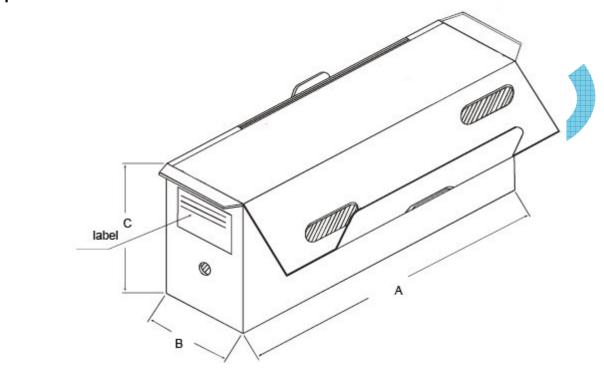


Number of Cycles at 60 Hz.

Tamb, ambient temperature (°C)

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 in box

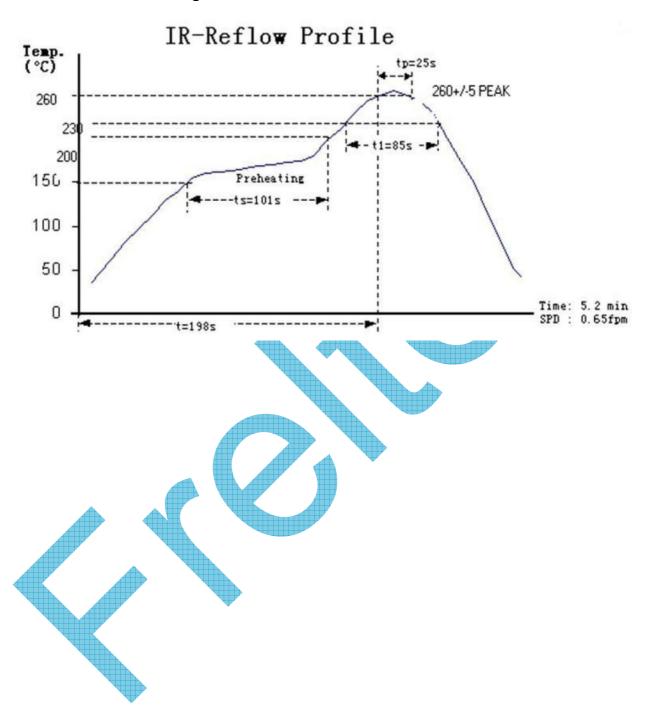


Packaging	Available	Dimension	Dimension	Dimension	Quantity
	Product Outlines	"A"	"B"	"C"	Box
BULK PACK	GBL	215mm	210mm	35mm	500

#### 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**



## GBL Published by FrelTec® GmbH

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