

FrelTec

Mathildenstr. 10A
82319 Starnberg
Germany

Bridge Rectifier
ABS

FrelTec

ABS

SPECIFICATION

683	ABS_XXXXX	ABSX	L04
Type	Type	Package	Packing
683: Bridge Rectifier	ABS__	ABS	L04: tape and Reel(embossed tape) for 4K (13'REEL)

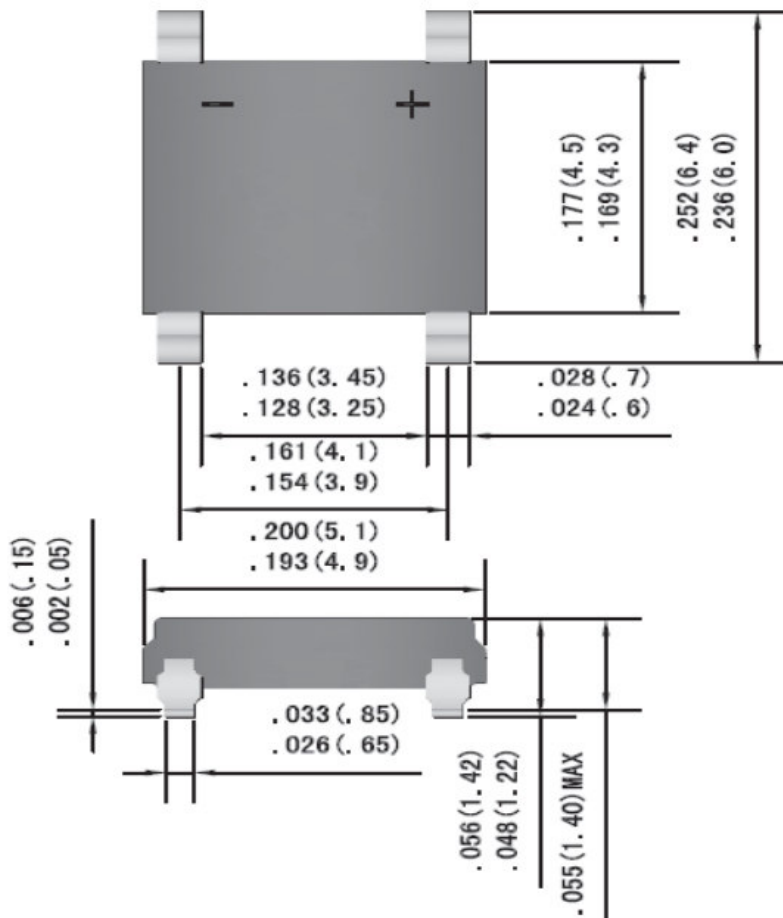
All products according to RoHS (2015/863/EU)



PACKAGE OUTLINE



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Unit: mm

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Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified

	Symbols	ABS0 2	ABS0 4	ABS0 6	ABS0 8	ABS10	Unit
Maximum repetitive peak reverse voltage	VRRM	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	200	400	600	800	1000	V
TC = 100°C 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	62,5					°C /W
Operating junction and storage temperature range	Tj, TSTG	-55--- +150					°C

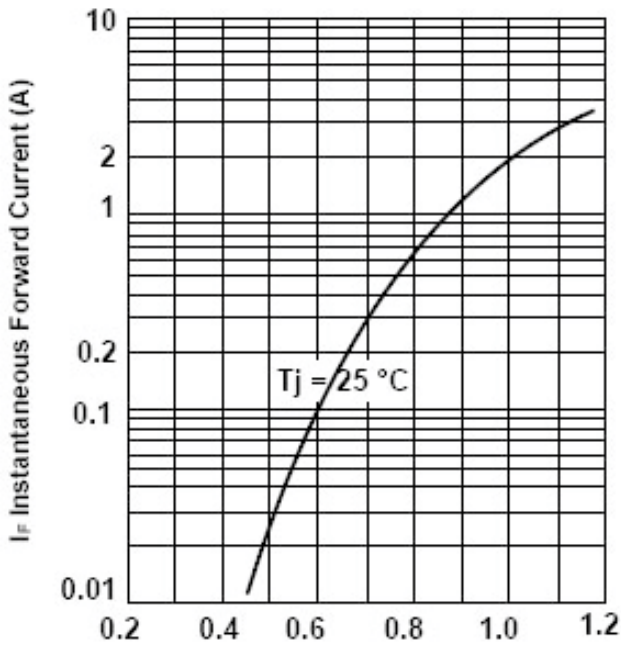
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified

	Symbols	ABS0 2	ABS0 4	ABS0 6	ABS08	ABS10	Unit
IF = 0,4A Maximum forward voltage	VF	0,95					V
TA = 25°C Maximum reverse current TA = 125°C	IR	10 500					µA
VR = 4,0V, f = 1MHz Type junction capacitance	Cj	10					pF

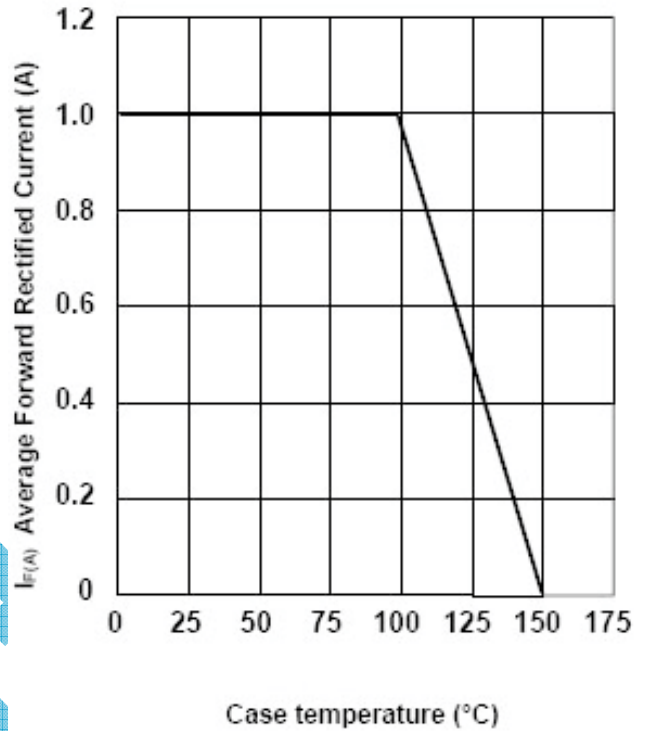
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Characteristics(Typical)

TYPICAL FORWARD CHARACTERISTIC

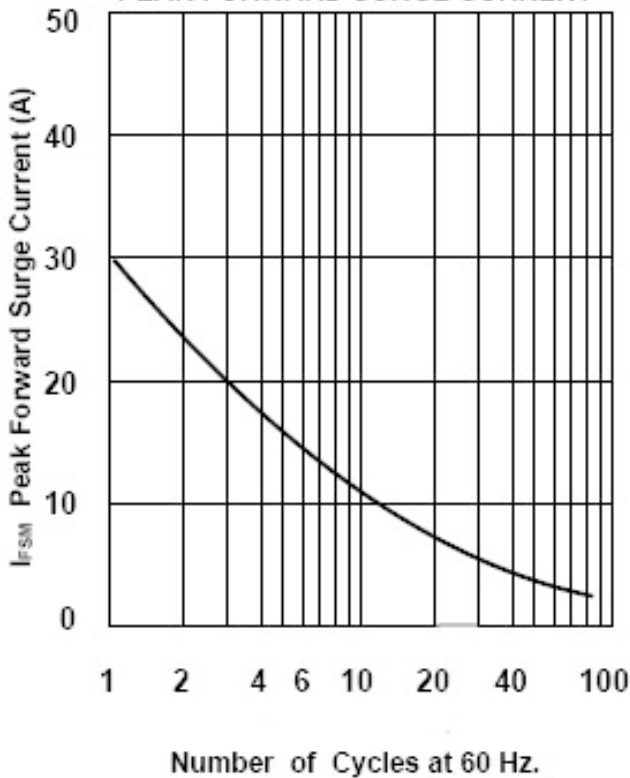


FORWARD CURRENT DERATING CURVE



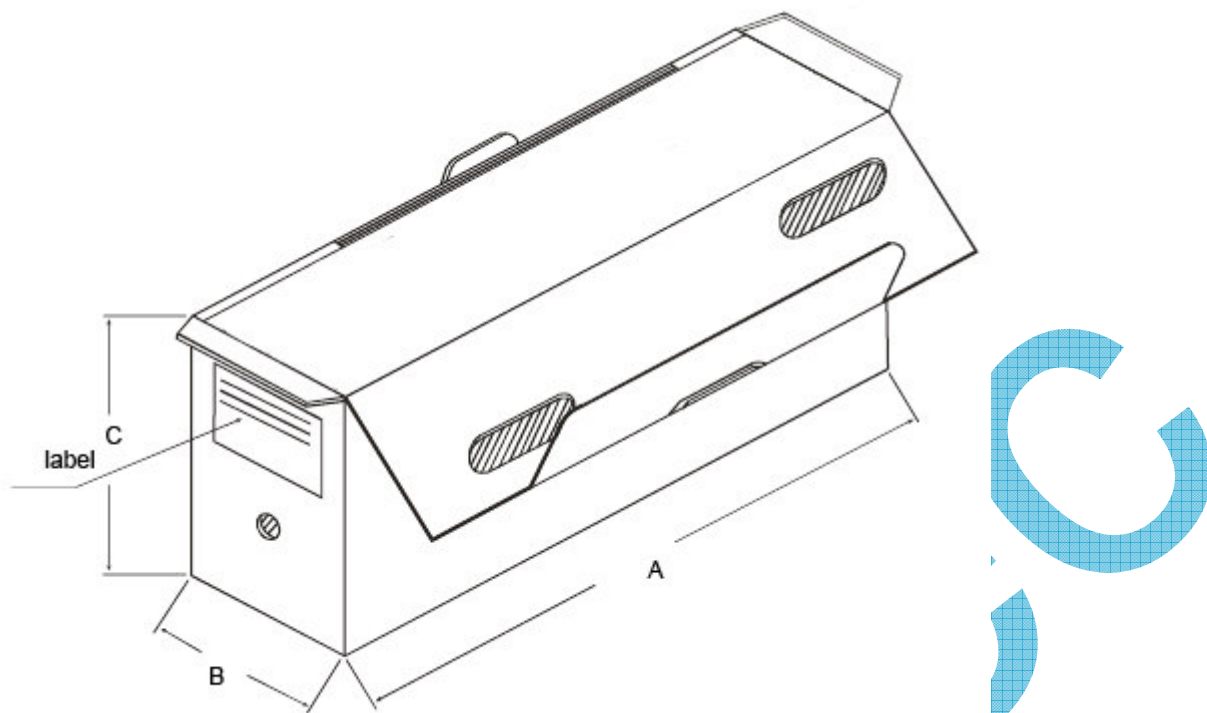
V_F Instantaneous Forward Voltage (V)

MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



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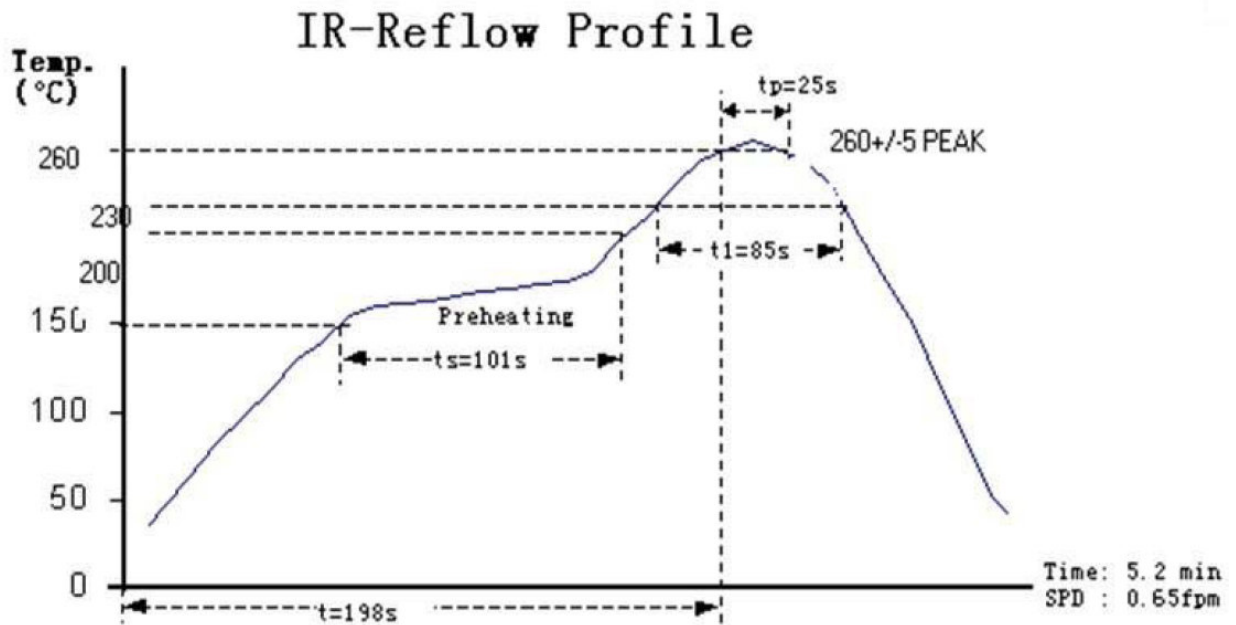
FrelTec Bridge Rectifier



Packaging	Available Product Outlines	Dimension "A"	Dimension "B"	Dimension "C"	Quantity Box
REEL PACK	ABS	338mm	338mm	40mm	4000

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

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