

EDCON-COMPONENTS



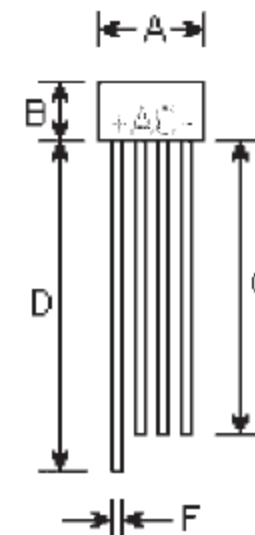
Specifications

Features

- Surge overload rating - 50amperes peak
- Reliable low cost construction utilizing molded plastic technics results inexpensive prod.
- Ideal for printed board

Technical Drawing (Unit: inch(mm))

DIM	mm		
	min	max.	
A	8,6	9,1	∅
B	3,3	3,8	
C	30,5		
D	32,3		
E	4,6	5,6	
F	0,71	0,81	∅



Maximum Ratings & Electrical Characteristics Ratings at 25°C ambient temperature

	Symbols	RB151	RB152	RB153	RB154	RB155	RB156	RB157	Unit
Maximum reccurent peak reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volt
Maximum rms Input voltage	VRMS	35	70	140	280	420	560	700	Volt
Maximum dc blocking Voltage	VDC	50	100	200	400	600	800	1000	Volt
Maximum average forward output rectified TA=100°C	I(AV)	1,5							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	50							Amps
Maximum forward voltage	VF	1,0							Volt
Maximum revese voltage TA=25°C	IR	10							µA
Maximum revese voltage TA=100°C	IR	1							µA
Operating and storage temperature range	TJ TSTG	-55°C to + 125°C							°C
Type junction capacitance VR=4,0V f=1,0Mhz	CJ	30							pF
I²t rating for fusing	I²t	5							A²t

ROUND Bridge Rectifier 1,5A

EDCON-Ser. **E20001**

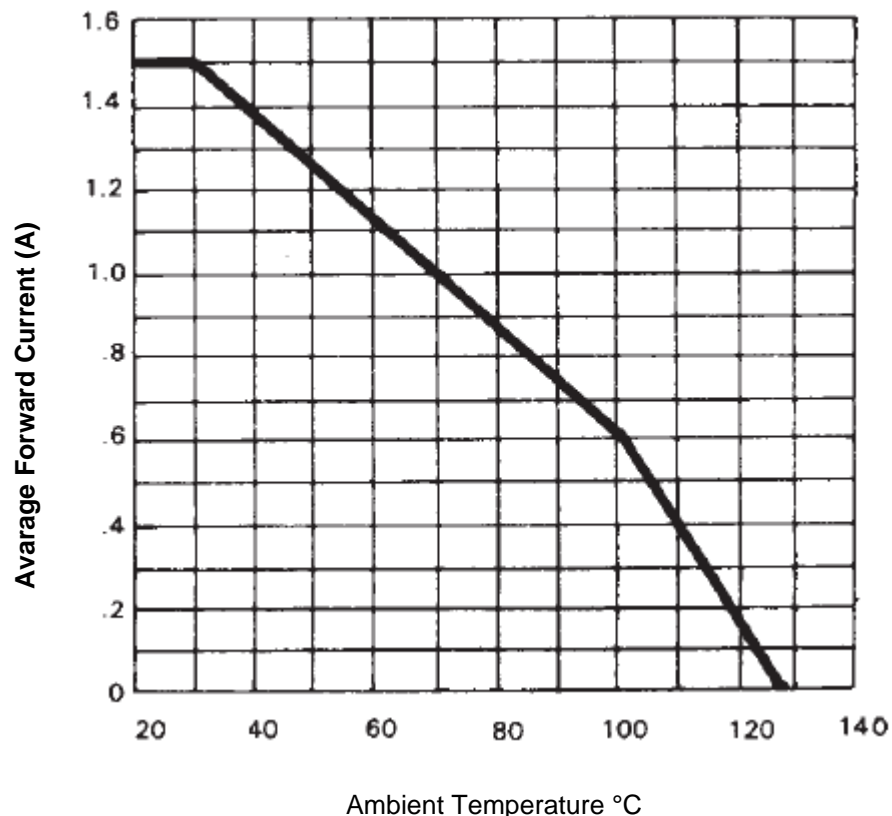
International Serie: **RB15x**

DRW: Jason	CHKD: Wilson	MATL: Wilson	TOLERANCE: Mason	DATE: 10.05.2010
APPD: Schumi		FINISH: Jamy	Sheet No.:	1 from 5

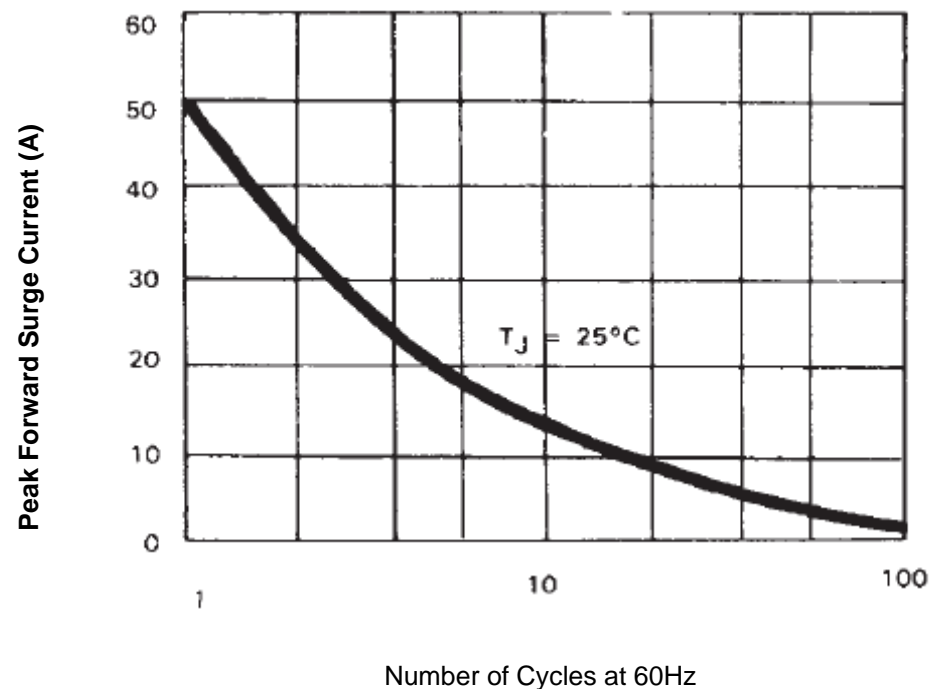


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current



ROUND Bridge Rectifier 1,5A

EDCON-Ser. **E20001**

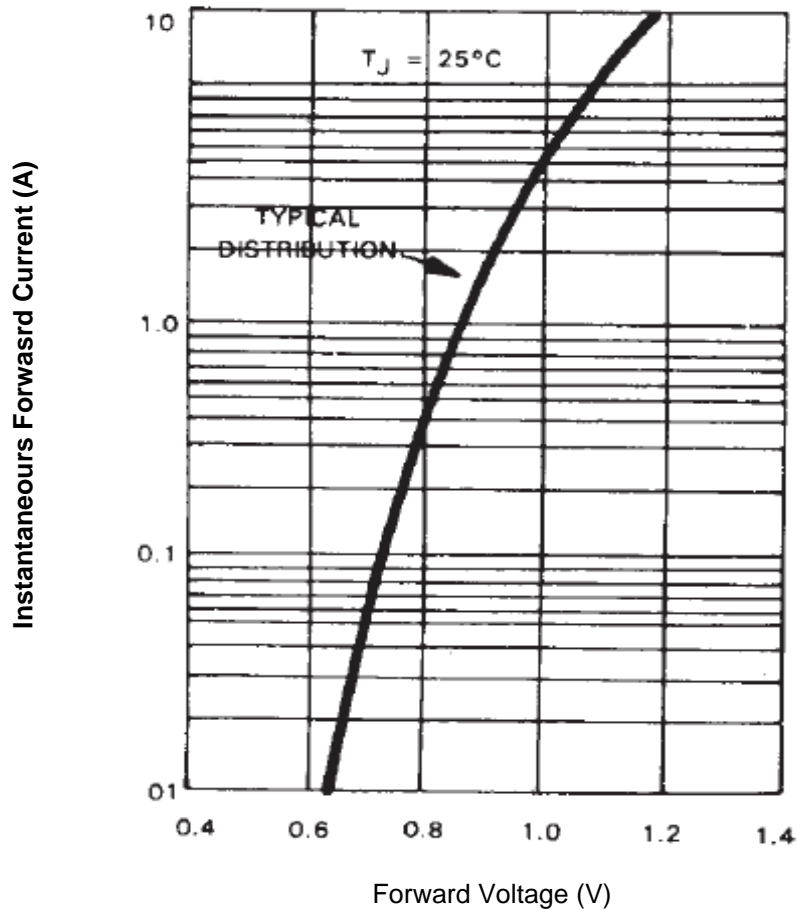
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APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 5

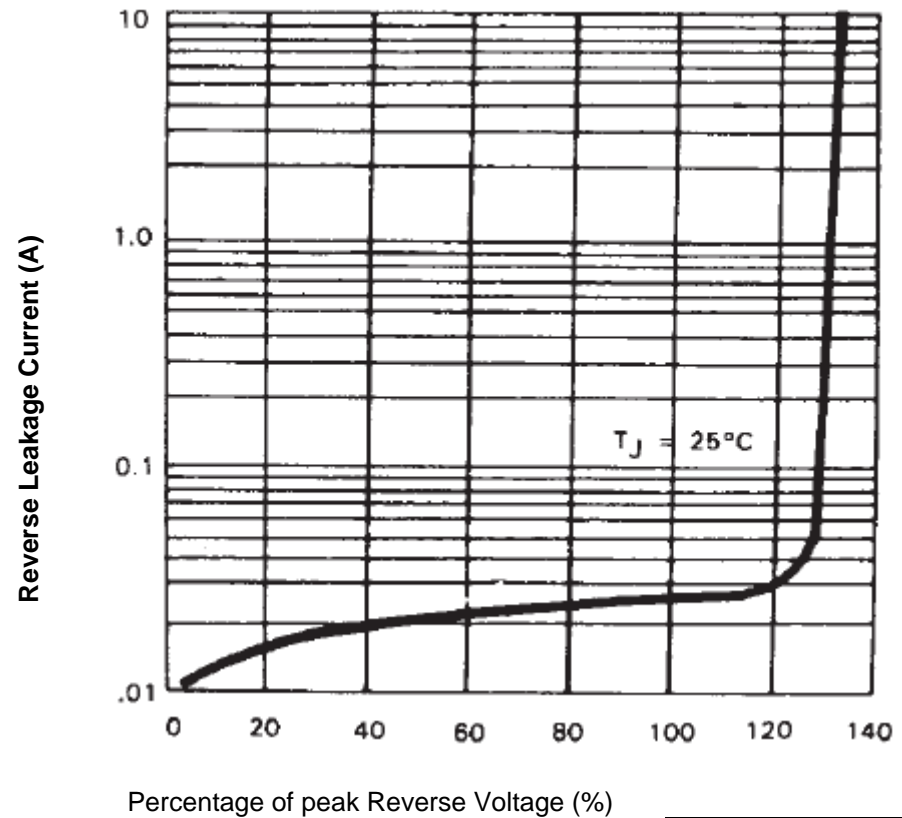


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



ROUND Bridge Rectifier 1,5A	
EDCON-Ser.	E20001
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EDCON-COMPONENTS



Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E20001	RB15x	LL	R	BX					

Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	BX = Box
	L4 = Lead length 4mm	N = NON ROHS Conform	

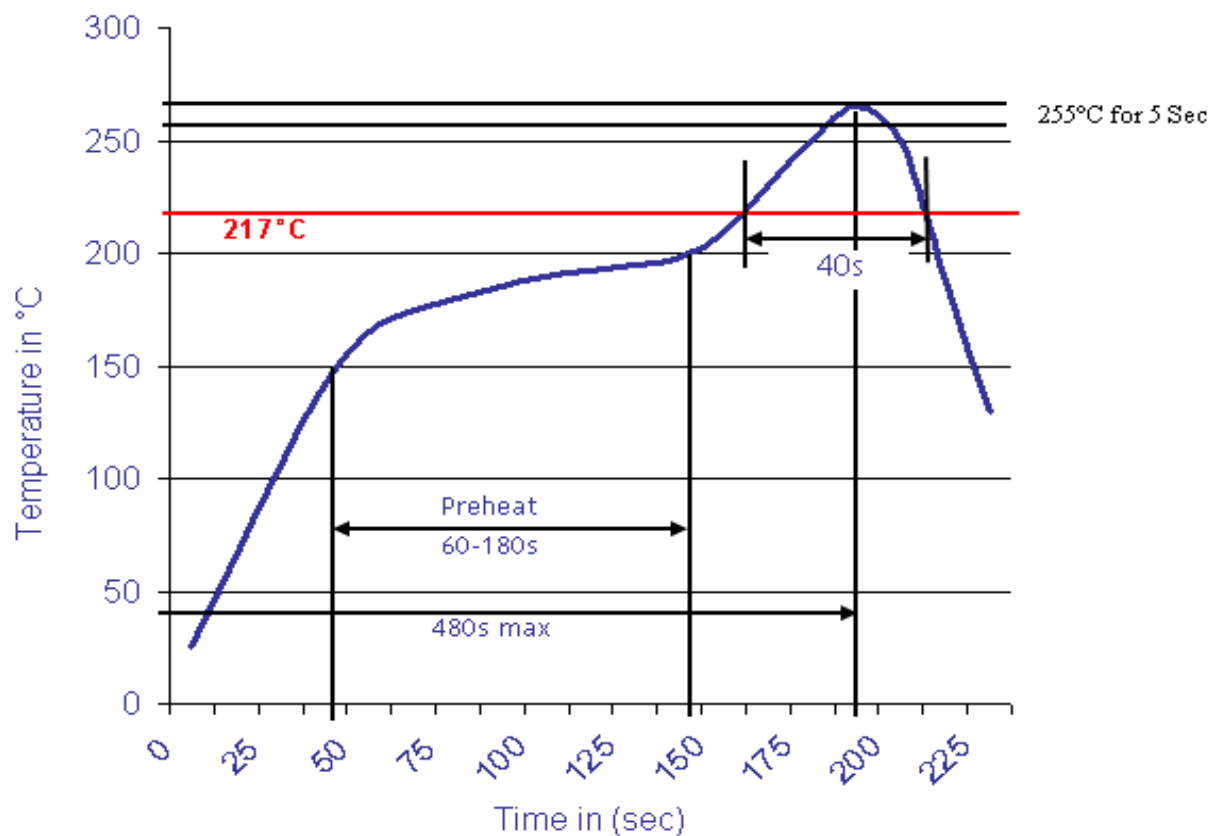
ROUND Bridge Rectifier 1,5A	
EDCON-Ser.	E20001
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



ROUND Bridge Rectifier 1,5A	
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