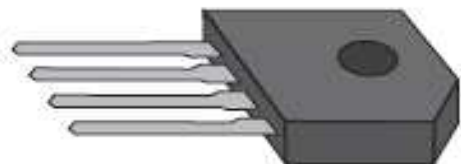


EDCON-COMPONENTS



Specifications

Features

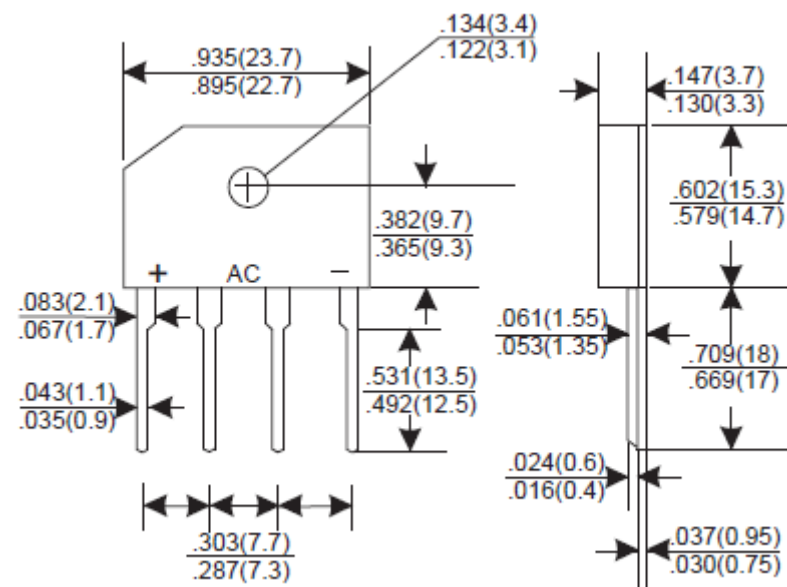
- Ideal for printed circuit board
- Low forward voltage
- Low leakage current
- Polarity: marking on body

Weight 4,0gr.

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

	Sym bols	RS 801M	RS 802M	RS 803M	RS 804M	RS 805M	RS 806M	RS 807M	Unit
Maximum reecurrent 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)	8,0							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	200							Amps
Maximum forward voltage drop	VF	1,1							Volt
Maximum revese voltage TA=25°C	IR	10							µA
Maximum revese voltage TA=125°C	IR	500							µA
Operating and storage temperature range	TJ TSTG	-65°C to + 150°C							°C

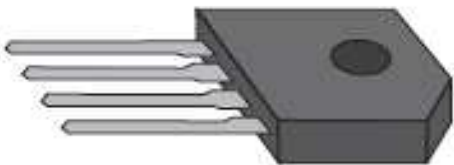
Technical Drawing (Unit: inch(mm))



Single Inline Bridge Rectifier 8,0A	
EDCON-Ser.	E15020
International Serie:	RS80xM

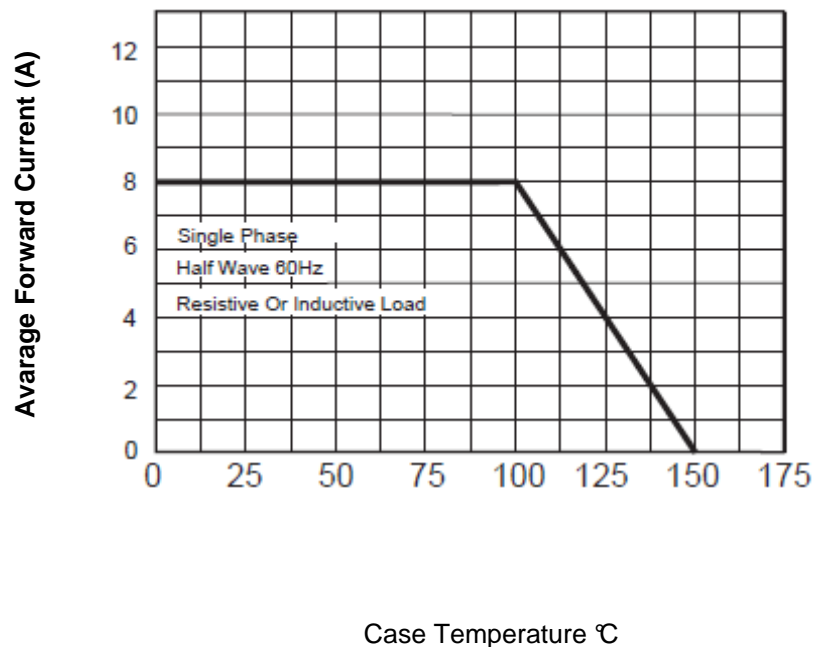
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

EDCON-COMPONENTS

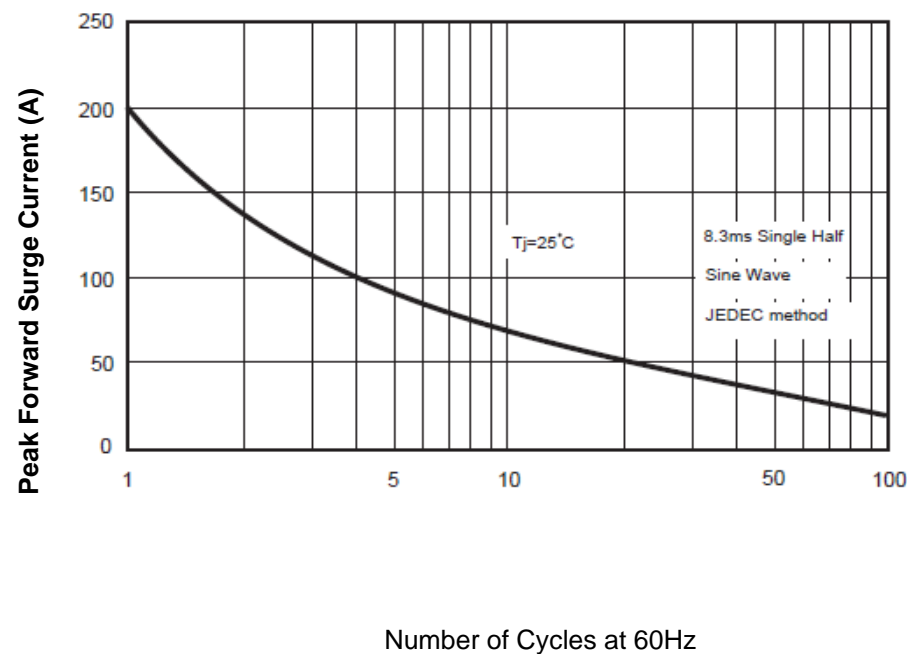


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Derating Curve for Output Rectified Current



Maximum NON Repetitive Forward Surge Current

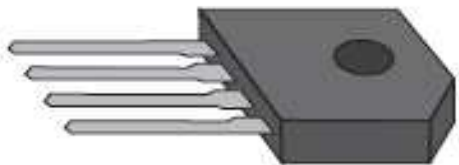


**Single Inline Bridge Rectifier
8,0A**

EDCON-Ser. **E15020**

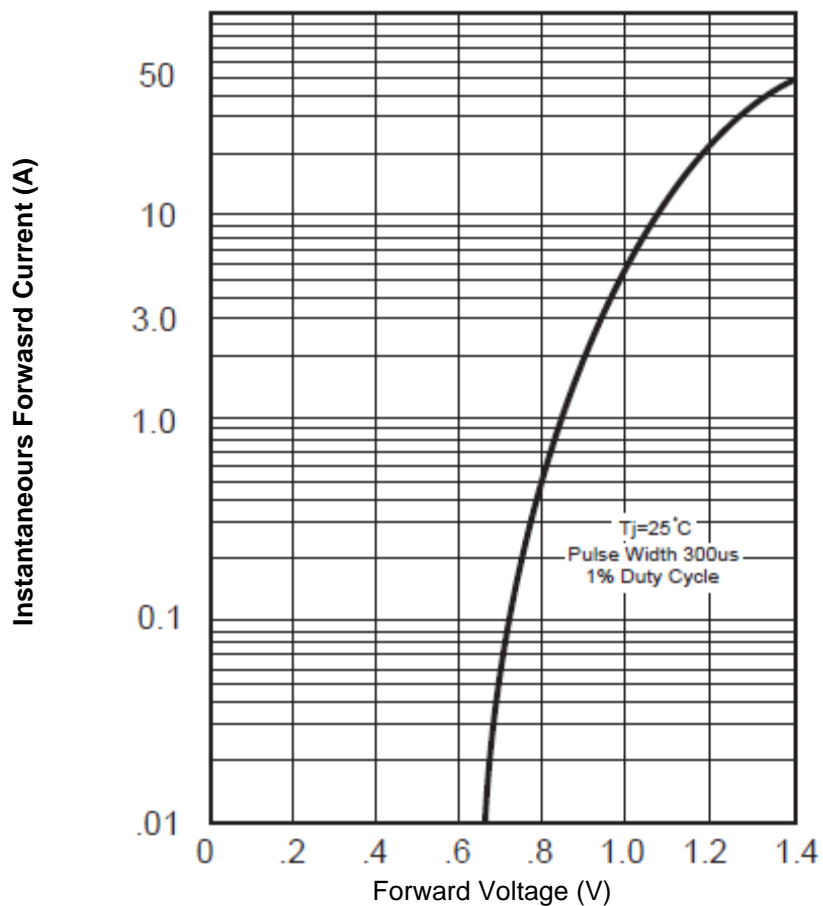
International Serie: **RS80xM**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5	

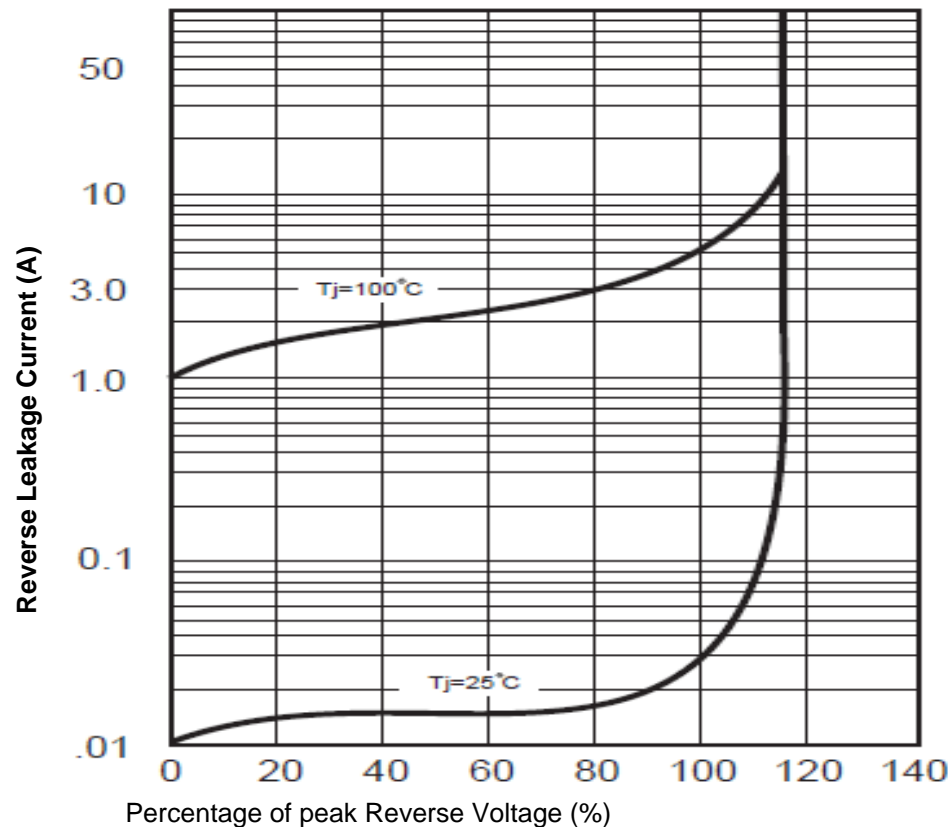


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



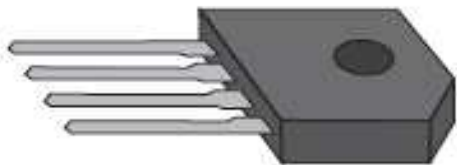
Typical Reverse Characteristics



Single Inline Bridge Rectifier 8,0A	
EDCON-Ser.	E15020
International Serie:	RS80xM

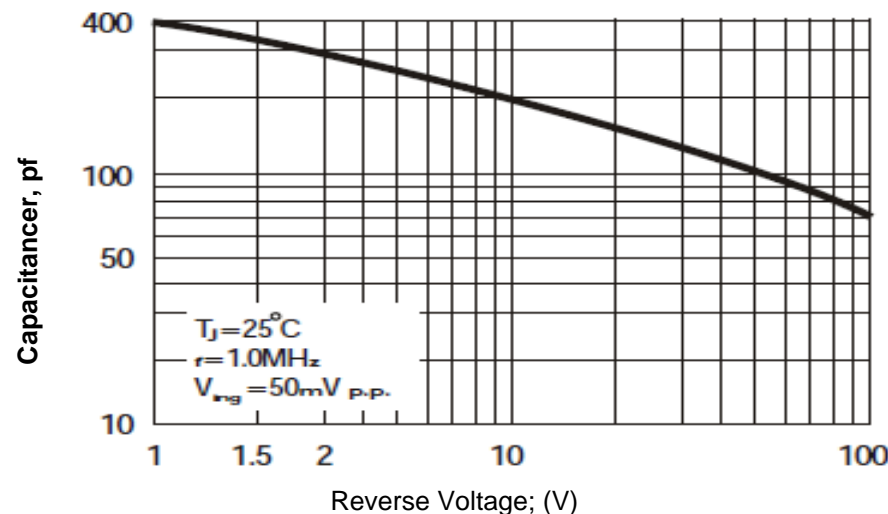
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 5	

EDCON-COMPONENTS



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

Forward Current Derating Curve



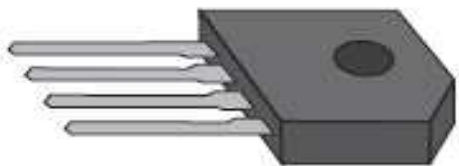
Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E15020	RS80xM	LL	R	BX					

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

Single Inline Bridge Rectifier 8,0A	
EDCON-Ser.	E15020
International Serie:	RS80xM

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5



Soldering Profile Curve

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



Single In-line Bridge Rectifier 8,0A	
EDCON-Ser.	E15020
International Serie:	RS80xM

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