

EDCON-COMPONENTS



Specifications

Features

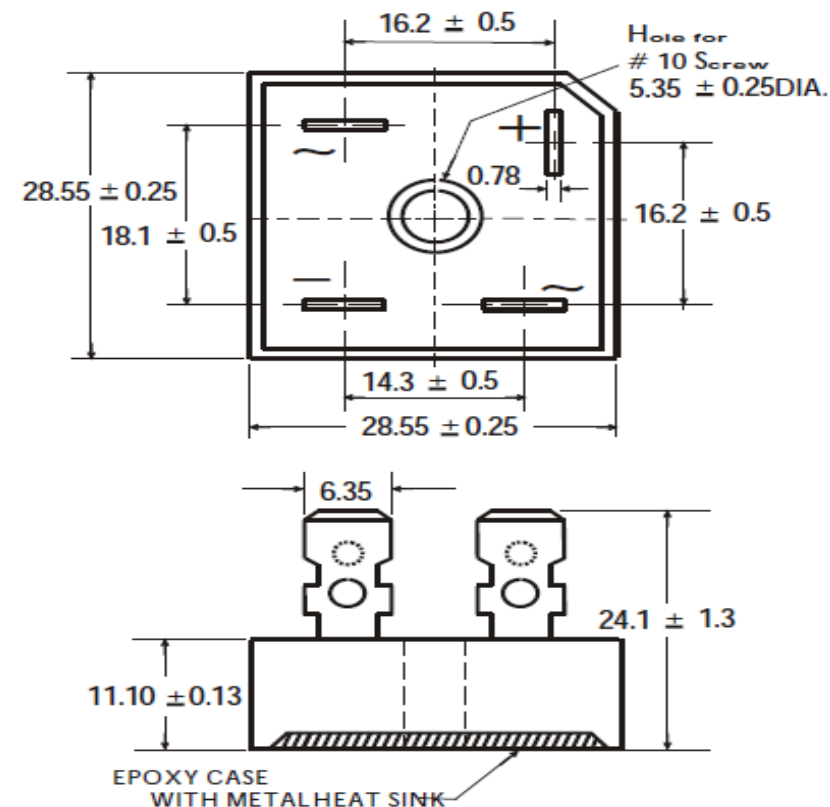
This series is UL listed under the recognized Component index file number E142814
 The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
 Integrally molded heat sinks provide low thermal resistance for maximum heat dissipation
 Surge overload ratings to 300 amperes
 Universal 4-way terminals, snap-on, wrap-around, solder for P.C. Board mounting
 Molded plastic with heat sink integrally mounted in the bridge encapsulation.
 Terminals 6,3mm Faston

Weight 20gr.

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

	Sym bols	MP 50005	MP 5001	MP 5002	MP 5004	MP 5006	MP 5008	MP 5010	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)	50							Amps
Peak forward surge current 8,3ms single half sine-wave	IFSM	400							Amps
Maximum forward voltage drop	VF	1,00							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	-55°C to + 150°C							°C
I²t rating for fusing	I²t	664							A²t
Typical thermal resistance junction to case	R 0 JA	2,1							°C/W

Technical Drawing (Unit: inch(mm))



QUAD Bridge Rectifier 50A

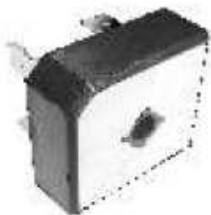
EDCON-Ser. E17011

International Serie: MP50xx

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

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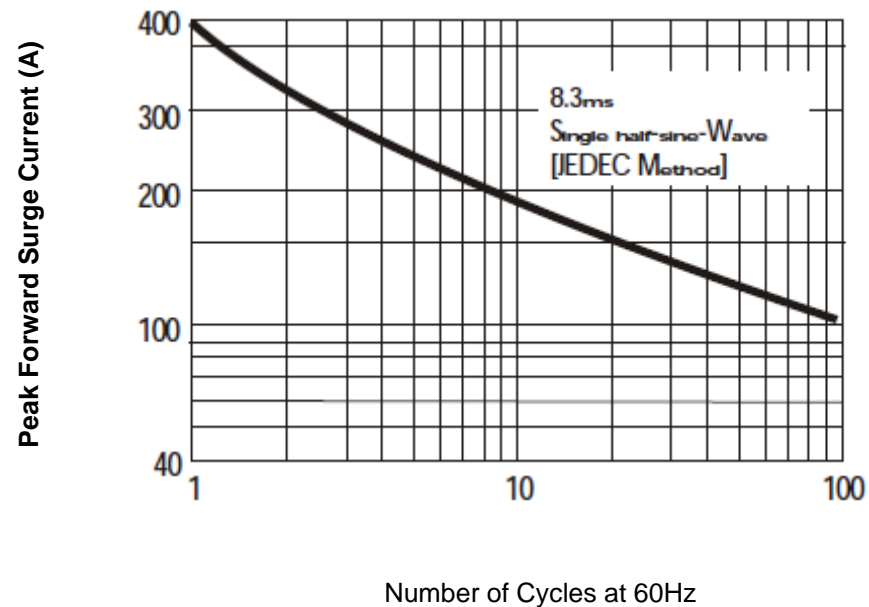
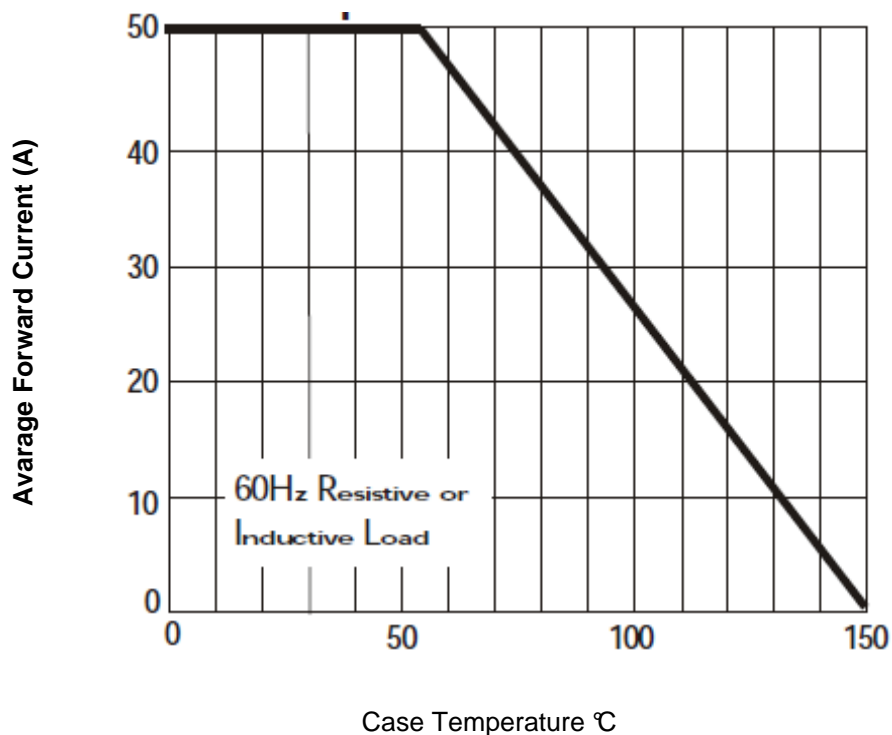
email: info@edcon-components.com



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

Derating Curve for Output Rectified Current

Maximum NON Repetitive Forward Surge Current



QUAD Bridge Rectifier 50A

EDCON-Ser. **E17011**

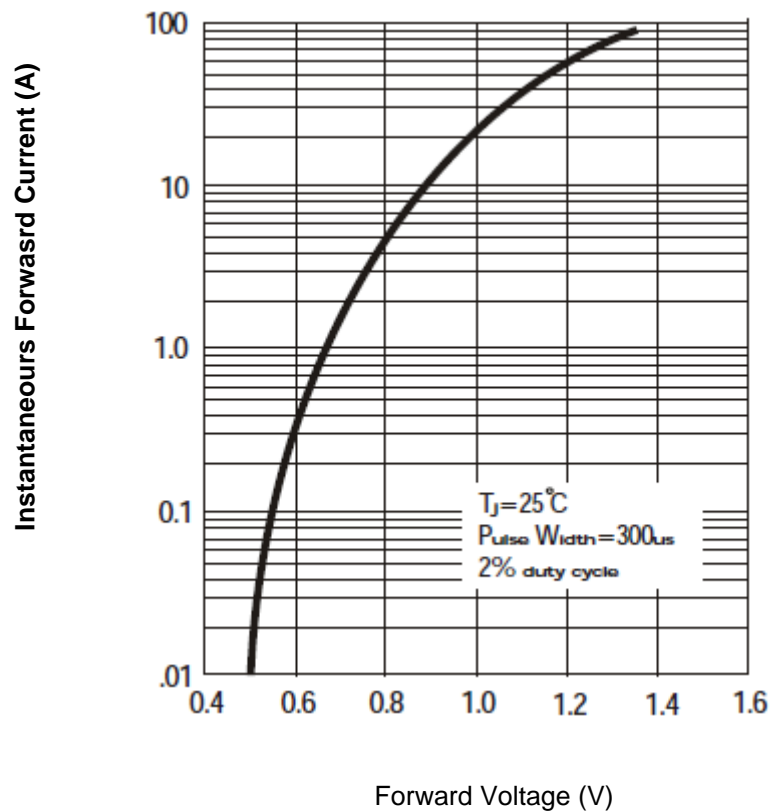
International Serie: **MP50xx**

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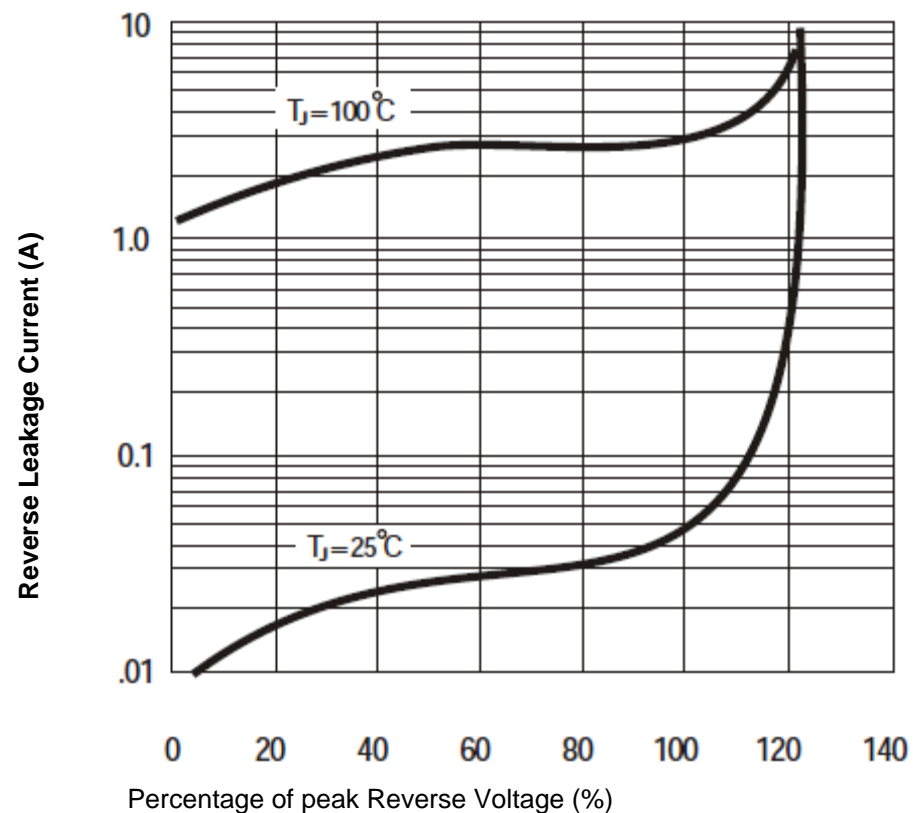


Rating & Characteristics Curves (TA=25°C unless otherwise noted)

Typical Forward Characteristics



Typical Reverse Characteristics



QUAD Bridge Rectifier 50A

EDCON-Ser. **E17011**

International Serie: **MP50xx**

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

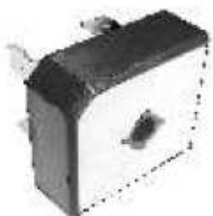
Ordering Informations

EDCON Serie	International Type	NO function	ROHS	Package					
E17011	MP50xx	XX	R	BX					

Look Voltage Code Table		R= ROHS Conform	BX= Box
		N= NON ROHS Conform	

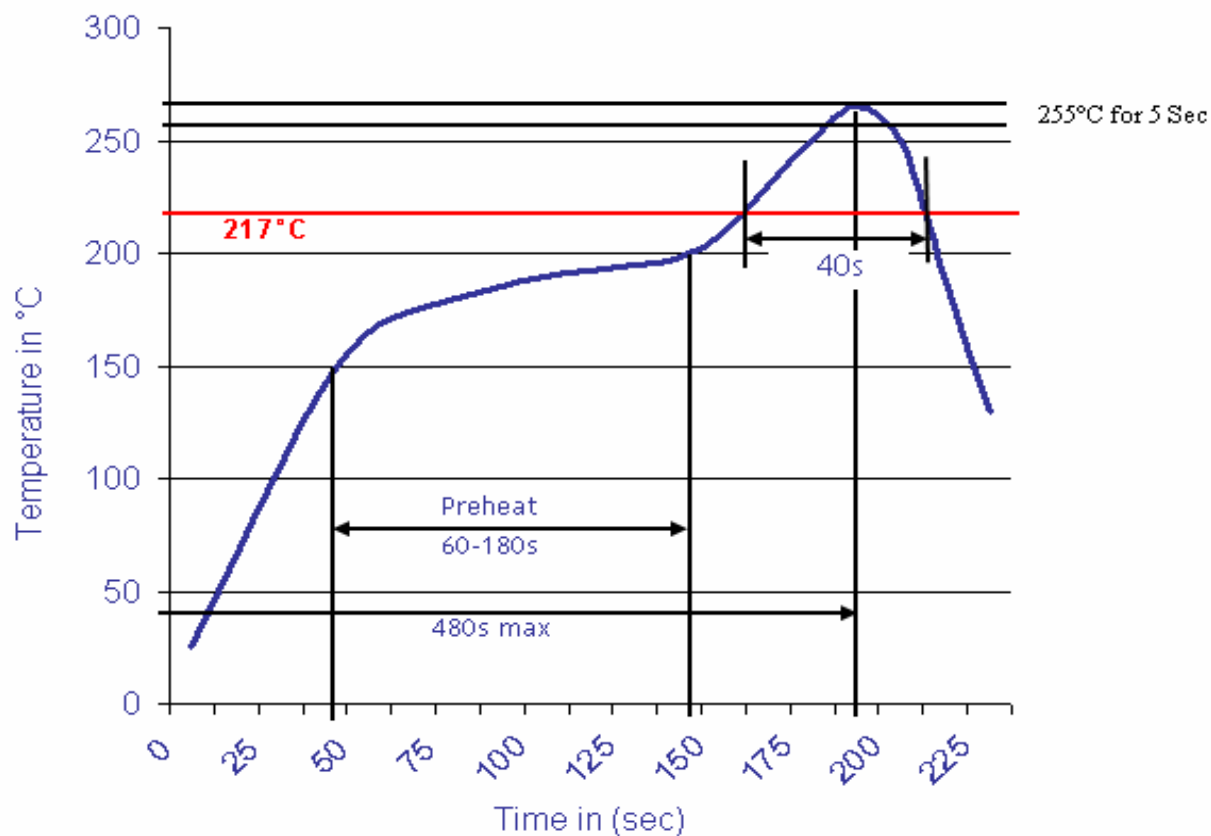
QUAD Bridge Rectifier 50A	
EDCON-Ser.	E17011
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Soldering Profile Curve

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



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