

## Schottky Surface Mount Flat Bridge Rectifier

### Features

- Low profile package
- Ideal for automated placement
- Ultrafast reverse recovery time
- Low power losses, high efficiency
- Low forward voltage drop and high surge current capability

### PINNING

PIN	DESCRIPTION
1	Input Pin ( ~ )
2	Input Pin ( ~ )
3	Output Anode ( + )
4	Output Cathode ( - )

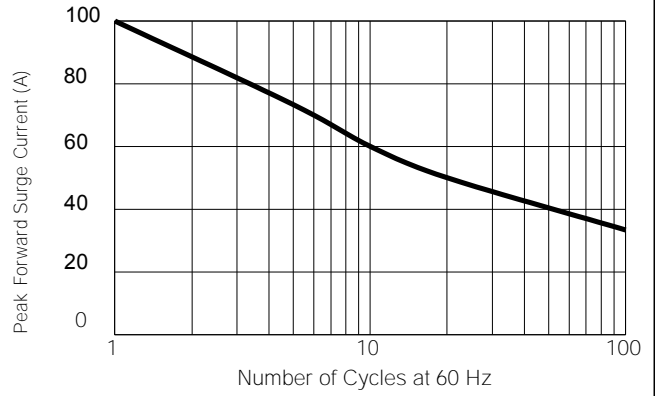
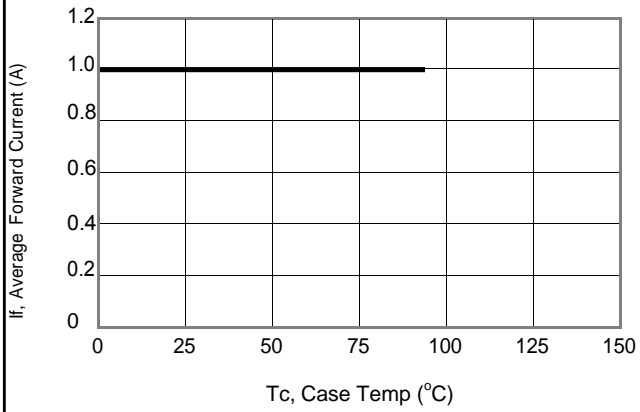
### Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Items	Sym bol	KMB1 F	UNI
Maximum Reverse Voltage	$V_{RRM}$		V
Maximum Forward Current (continuous)	$I_{FM}$	1.0	A
Maximum Forward Current (surge)	$I_{FSM}$		A
Maximum Junction Temperature	$T_{jmax}$		°C
Maximum Storage Temperature	$T_{stg}$		°C
Maximum Operating Temperature	$T_{op}$		°C
Reverse Recovery Time	$t_{rr}$		ns
Reverse Recovery Charge	$Q_{rr}$		nC
Forward Voltage Drop	$V_{f}$		V
Power Dissipation	$P_{tot}$		W
Thermal Resistance (junction to case)	$R_{\theta(jc)}$		°C/W
Thermal Resistance (junction to board)	$R_{\theta(jb)}$		°C/W
Thermal Resistance (case to board)	$R_{\theta(cb)}$		°C/W
Thermal Resistance (case to ambient)	$R_{\theta(ca)}$		°C/W
Thermal Resistance (board to ambient)	$R_{\theta(ba)}$		°C/W
Thermal Resistance (ambient to ambient)	$R_{\theta(aa)}$		°C/W

## RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



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