

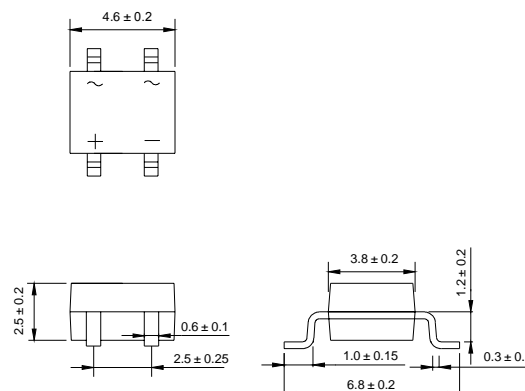
## Features

- ✧ Surge overload ratings to 30 amperes peak
- ✧ 1.0A rating in low profile surface mount mini-dip bridge save space on printed circuit board.
- ✧ Ideal for automated replacement
- ✧ Reliable low cost construction utilizing molded plastic technology results in inexpensive product
- ✧ Silicon eplana epitaxial chip, metal silicon junction
- ✧ Plastic Material - UL Flammability Classification 94V-0

## Applications

- ✧ Case : Molded Plastic
- ✧ Terminals : Solder Plated Leads,  
Solderable per MIL-STD-750, Method 2026
- ✧ Polarity : As Marked on Case
- ✧ Mounting Position : Any
- ✧ Marking : Type Number
- ✧ Weight : Approximated 0.0781 gram

## MBS



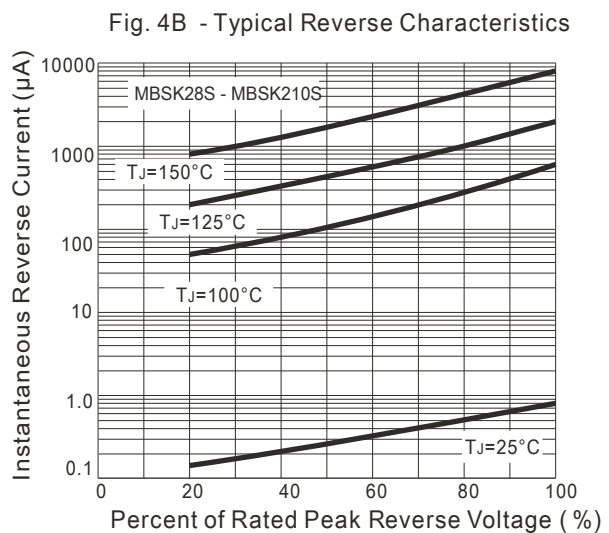
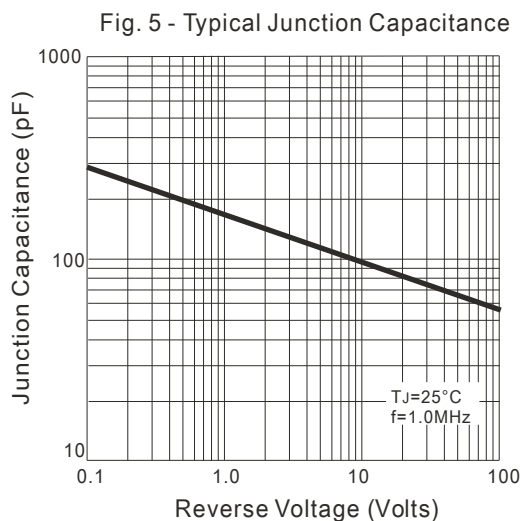
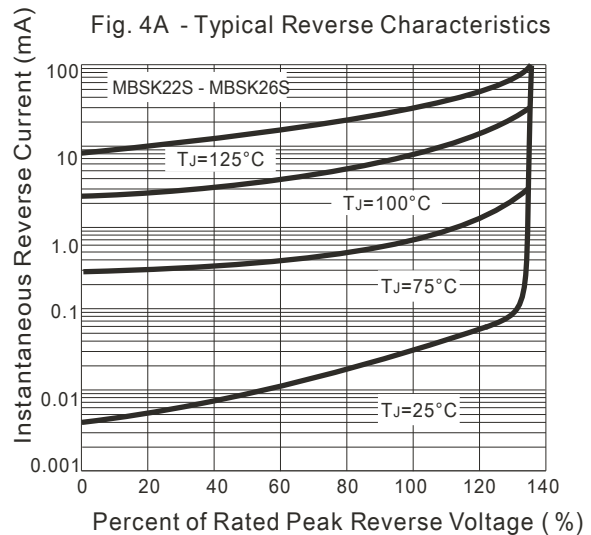
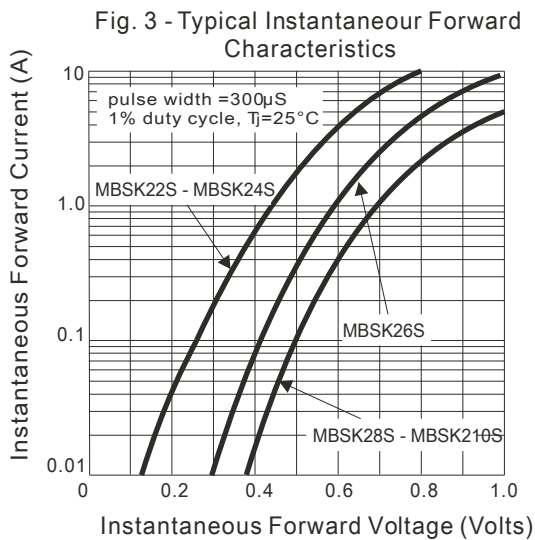
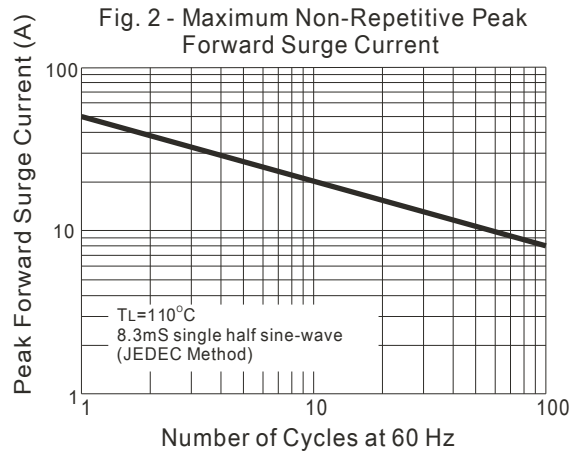
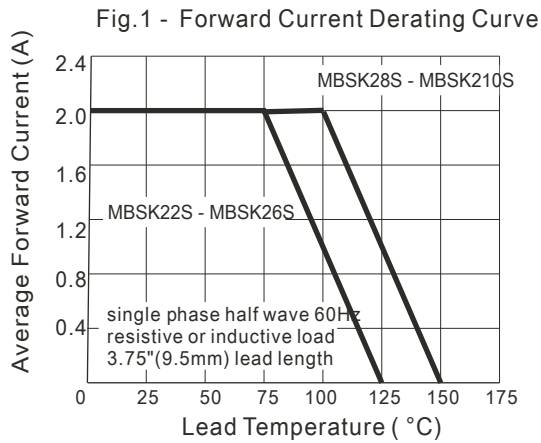
Dimensions in millimeters

## Maximum Ratings And Electrical Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified, Single phase, half wave 60Hz, resistive or inductive load. For capacitive load, derate by 20%)

	Symbols	MBSK22S	MBSK24S	MBSK26S	MBSK210S	Units
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	40	60	100	Volts
Maximum RMS voltage	$V_{RMS}$	14	28	42	70	Volts
Maximum DC blocking voltage	$V_{DC}$	20	40	60	100	Volts
Maximum average forward rectified current 0.375"(9.5mm) lead length(see Fig. 1)	$I_{(AV)}$	2.0				Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	50.0				Amps
Maximum instantaneous forward voltage at 1.0A	$V_F$	0.50		0.70	0.85	Volts
Maximum instantaneous reverse current at rated DC blocking voltage	$T_A=25^{\circ}C$	$I_R$	0.5			mA
	$T_A=100^{\circ}C$		20			
Typical thermal resistance	$R_{\theta JA}$	85				$^{\circ}C/W$
Operating junction temperature range	$T_J$	-50 to +125				$^{\circ}C$
Storage temperature range	$T_{STG}$	-65 to +150				$^{\circ}C$

## Characteristics(Typical)



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