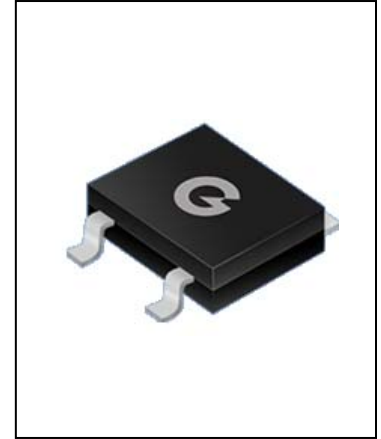


GLASS PASSIVATED BRIDGE RECTIFIERS

DF005S--DF10S

FEATURES

- Rating to 1000V PRVP
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0



MECHANICAL DATA

- Mounting position : Any

Maximum Ratings (@TA = 25°C unless otherwise specified)

Characteristic	Symbol	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Reverse Voltage	V_{RMS}	35	75	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward Output current @TA=40°C	$I_{F(AV)}$	1.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load(JEDEC METHOD)	I_{FSM}	50							A

Thermal Characteristics

Characteristic	Symbol	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	UNITS
I t Rating for fusing (t < 8.3ms)	$I^2 t$	10.4							A ² S
Typical Junction Capacitance per element	C_J	25							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	40							°C/W
Operating junction temperature range	T_J	-55 -- +150							°C
Storage temperature range	T_{STG}	-55 -- +150							°C

Electrical Characteristics (@TA = 25°C unless otherwise specified)

Characteristic	Symbol	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	UNITS
Maximum instantaneous forward voltage at 1.0 ADC	V_F	1.1							V
Maximum reverse current @T _J =25°C at rated DC blocking voltage @T _J =125°C	I_R	5.0							μA
		500							

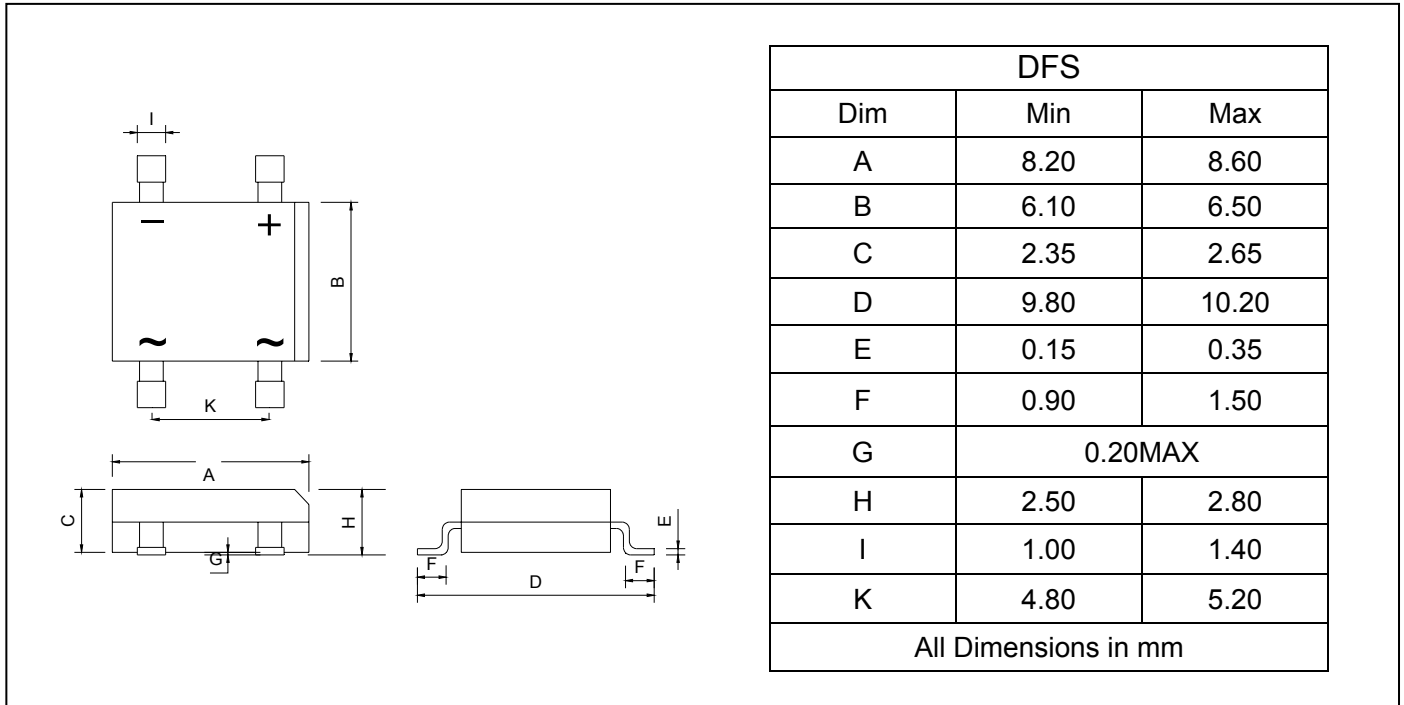
NOTES : 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2. Thermal resistance from junction to ambient mounted on P.C.B with 0.5x0.5"(13x13mm) copper pads.

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DF005S--DF10S

PACKAGE OUTLINE DIMENSIONS



PACKAGE INFORMATION

Device	Package	Shipping
DF005S--DF10S	DFS	50unit/pipe



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