



FORWARD CONDUCTION				
PARAMETER	SYMBOL	TEST CONDITIONS	VALUES	UNITS
Maximum DC output current	I_O	$T_A = 45^\circ\text{C}$, resistive or inductive load	1.2	A
		$T_A = 45^\circ\text{C}$, capacitive load	1.0	
Maximum peak one cycle, non-repetitive surge current	I_{FSM}	50 Hz half cycle sine wave or 6 ms rectangular pulse	50	A
		60 Hz half cycle sine wave or 5 ms rectangular pulse	52	
Maximum I^2t capability for fusing	I^2t	$t = 10\text{ ms}$	12.5	A^2s
		$t = 8.3\text{ ms}$	11.3	
		$t = 10\text{ ms}$	17.7	
		$t = 8.3\text{ ms}$	16.1	
Maximum $I^2\sqrt{t}$ capability for fusing	$I^2\sqrt{t}^{(1)}$	$t = 0.1\text{ to }10\text{ ms}$, V_{RRM} following surge = 0	177	$\text{A}^2\sqrt{\text{s}}$
Maximum peak forward voltage per leg	V_{FM}	$I_O = 1.2\text{ A}$ (1.88 A_{pk})	1.1	V
Typical peak reverse current per leg	I_{RM}	$T_J = 25^\circ\text{C}$, at rated V_{RRM}	10	μA
		$T_J = 150^\circ\text{C}$, at rated V_{RRM}	500	
Operating frequency range	f		40 to 2000	Hz

Note

(1) I^2t for time $t_x = I^2\sqrt{t} \times \sqrt{t_x}$

THERMAL AND MECHANICAL SPECIFICATIONS			
PARAMETER	SYMBOL	VALUES	UNITS
Operating junction and storage temperature range	T_J, T_{Stg}	-40 to 150	$^\circ\text{C}$
Approximate weight		3	g
		0.1	oz.

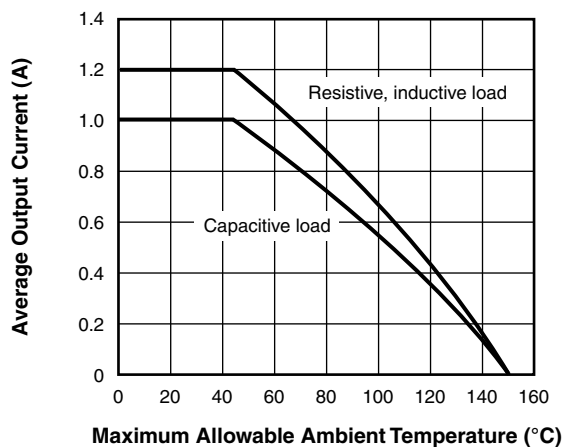


Fig. 1 - Average (DC) Output Current vs. Maximum Allowable Ambient Temperature

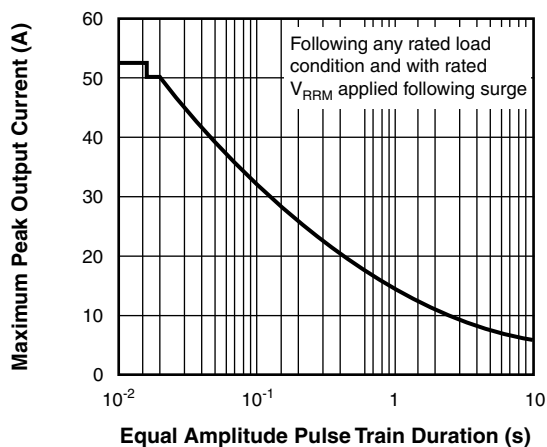


Fig. 2 - Maximum Non-Repetitive Surge Current vs. Pulse Train Duration ($f = 50\text{ Hz}$)

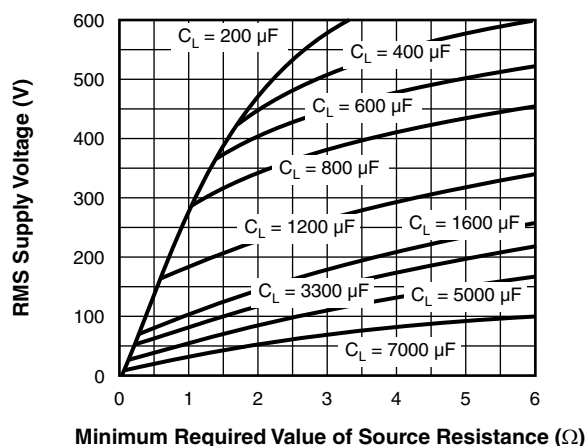


Fig. 3 - Minimum Required Source Resistance vs. RMS Supply Voltage and Load Capacitance

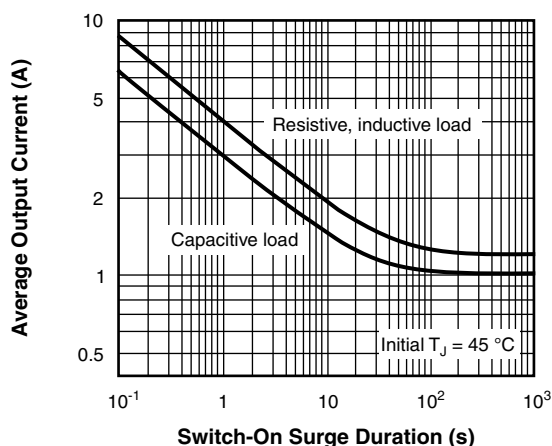
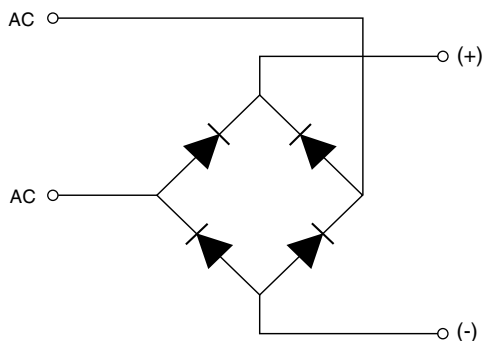


Fig. 4 - Maximum Switch-On Surge Current vs. Surge Duration

CIRCUIT CONFIGURATION



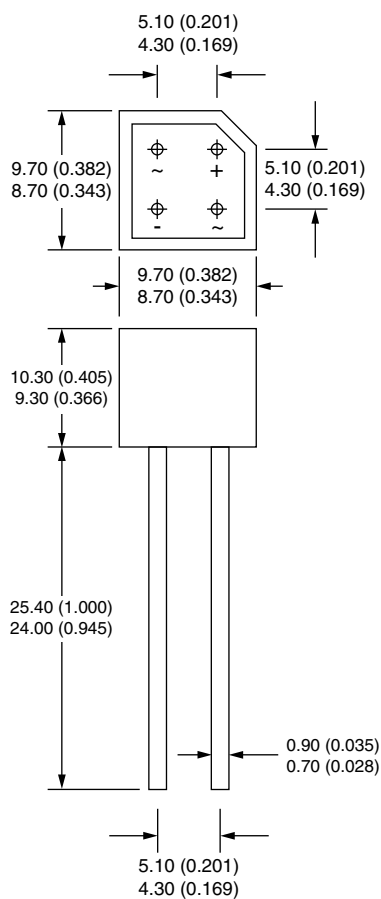
LINKS TO RELATED DOCUMENTS

Dimensions	www.vishay.com/doc?95327
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D-38

DIMENSIONS in millimeters (inches)





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