DC COMPONENTS CO., LTD.

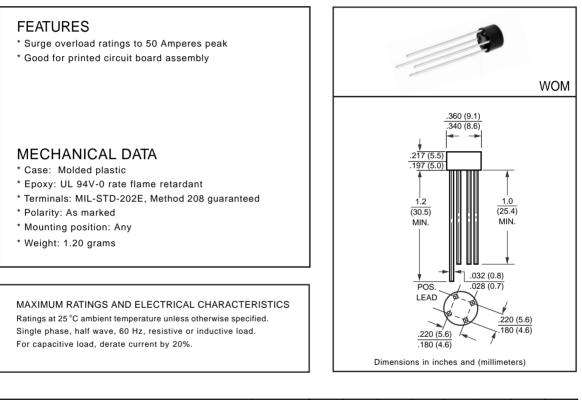
RECTIFIER SPECIALISTS

W005M THRU W10M

TECHNICAL SPECIFICATIONS OF SINGLE-PHASE SILICON BRIDGE RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 1.5 Amperes



		SYMBOL	W005M	W01M	W02M	W04M	W06M	W08M	W10M	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage		Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at TA = 25°C		lo	1.5							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	50						Amps	
Maximum DC Forward Voltage Drop per Element at 1.0A DC		VF	1.1						Volts	
Maximum Reverse Current at rated	@Ta = 25°C	IR	10							– μAmps
DC Blocking Voltage per element	@Ta = 125°C		500							
I ² t Rating for Fusing (t = 8.3ms)		l ² t	10						A ² Sec	
Typical Junction Capacitance (Note 1)		CJ	24							pF
Typical Thermal Resistance (Note 2)		RθJA	36							°C/W
Operating Temperature Range		TJ	-50 to + 125							٥C
Storage Temperature Range		Tstg	-50 to + 150							٥C

NOTES : 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2. Thermal Resistance from Junction to Ambient and from junction to lead mounted on P.C.B. with 0.5 x 0.5" (13x13mm) copper pads.

RATING AND CHARACTERISTIC CURVES (W005M THRU W10M)

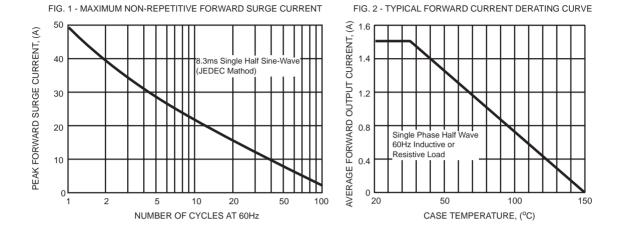
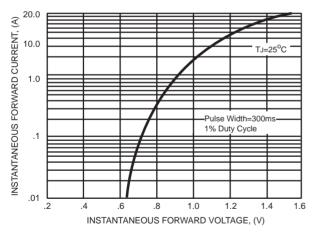
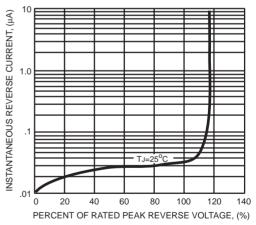


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS







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