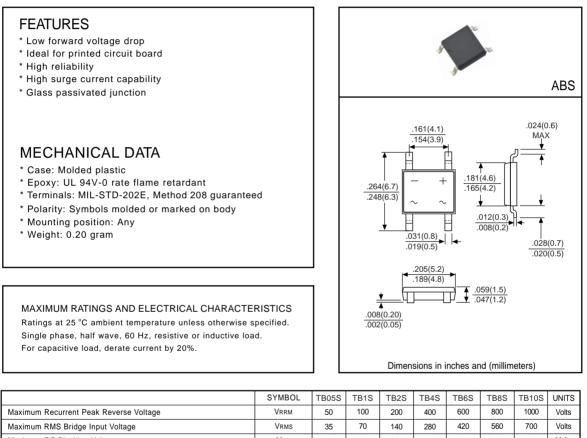
# DC COMPONENTS CO., LTD. RECTIFIER SPECIALISTS THRU TB10S

## TECHNICAL SPECIFICATIONS OF SINGLE-PHASE MINI SURFACE MOUNT BRIDGE RECTIFIER

#### VOLTAGE RANGE - 50 to 1000 Volts

#### CURRENT - 1.0 Ampere

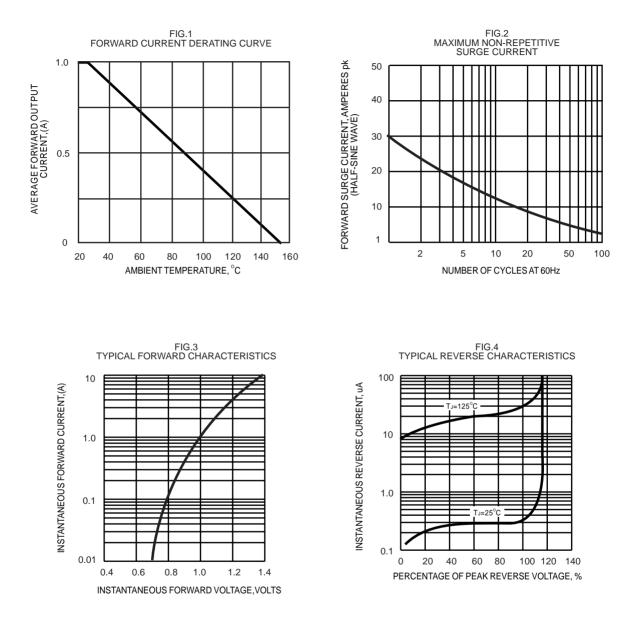


Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage		Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at TA = $25^{\circ}C$ (Note 1)		Io	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30						Amps	
Maximum DC Forward Voltage Drop per Bridge 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	IK	150							
Typical Thermal Resistance		Reja	80							°C/W
Operating and Storage Temperature Range		TJ,TSTG	-55 to + 150							٥C

NOTE: 1. Mounted on aluminum substrate P.C. board.

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

# **RATING AND CHARACTERISTIC CURVES (TB05S THRU TB10S)**



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