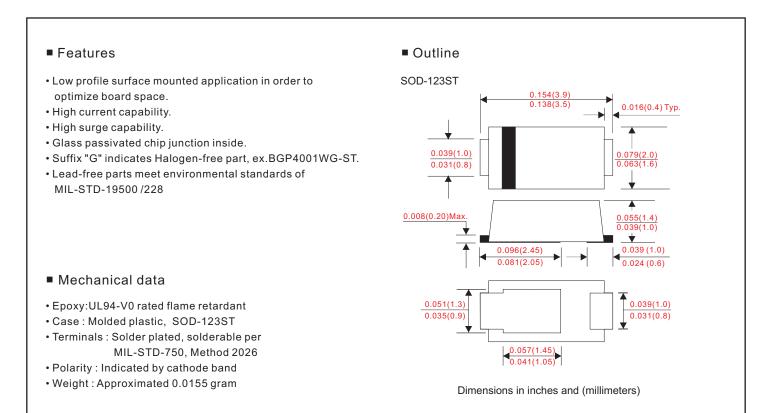


BGP4001W-ST THRU BGP4007W-ST

1A Surface Mount General Purpose Rectifiers



Maximum ratings and electrical characteristics

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

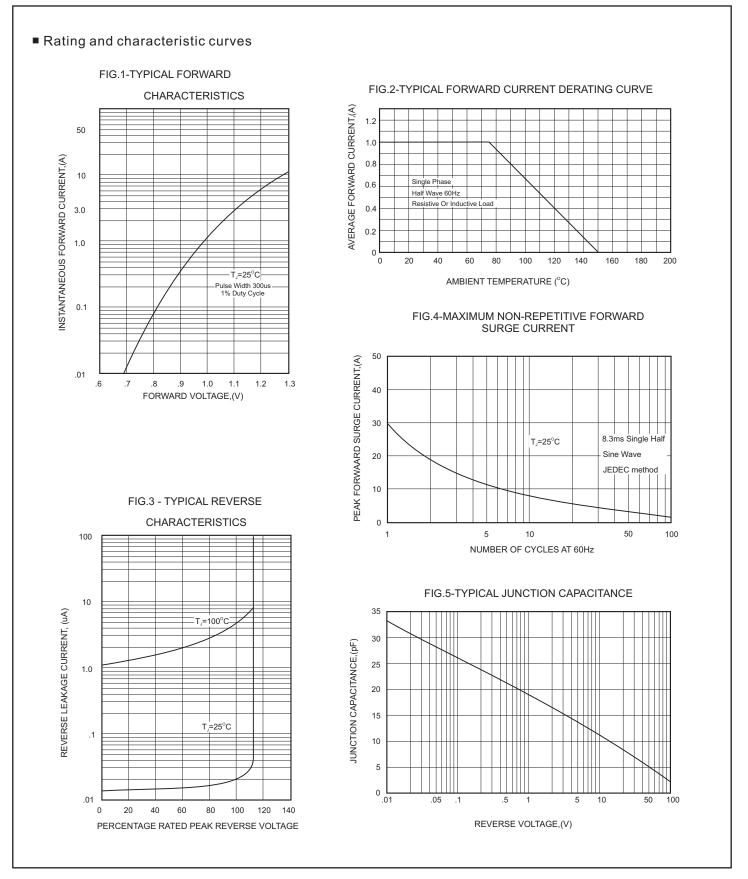
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current		I _o			1.0	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			30	А
Reverse current	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I _R			100	
Thermal resistance	Junction to ambient	R _{eja}		60		°C/W
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C		15		pF
Storage temperature		T _{STG}	-55		+150	°C

larking code	Max. repetitive peak reverse voltage	Max. RMS voltage	Max. DC	Max. forward voltage	
	V _{RRM} (V)	V _{RMS} (V)	blocking voltage V _R (V)	$@1.0A, T_A = 25^{\circ}C$ $V_F(V)$	Operating temperature T _J (°C)
A1	50	35	50		
A2	100	70	100		
A3	200	140	200		
A4	400	280	400	1.10	-55 ~ +150
A5	600	420	600		
A6	800	560	800		
A7	1000	700	1000		
	A2 A3 A4 A5 A6	A2 100 A3 200 A4 400 A5 600 A6 800	A2 100 70 A3 200 140 A4 400 280 A5 600 420 A6 800 560	A2 100 70 100 A3 200 140 200 A4 400 280 400 A5 600 420 600 A6 800 560 800	A2 100 70 100 A3 200 140 200 A4 400 280 400 A5 600 420 600 A6 800 560 800



BGP4001W-ST THRU BGP4007W-ST

1A Surface Mount General Purpose Rectifiers

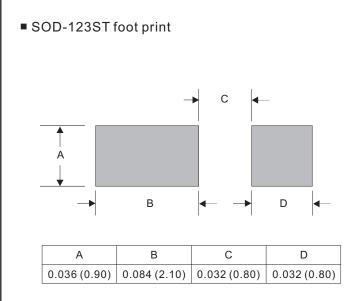


Document ID : DS-12G18 Issued Date : 2010/05/05 Revised Date : 2012/05/31 Revision : C



BGP4001W-ST THRU BGP4007W-ST

1A Surface Mount General Purpose Rectifiers



Dimensions in inches and (millimeters)

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