

Patent No. 3,996,602 and brazed-lead assembly by Patent No. 3,930,306

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbol	BY228GP	Unit
Maximum non repetitive peak reverse voltage	Vrsm	1650	V
Maximum repetitive peak reverse voltage	Vrrm	1500	V
Maximum RMS voltage	Vrms	1050	V
Maximum DC blocking voltage	VDC	1500	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at T _A = 50°C	IF(AV)	2.5	А
Peak forward surge current 10ms single half sine-wave superimposed on rated load	IFSM	50	А
Working peak forward current at T _A =75°C	IFWM	5.0	А
Peak repetitive forward surge current at TA=75°C	IFRM	10	А
Typical thermal resistance (NOTE 1)	Røja	20	°C/W
Operating junction temperature range	TJ	-65 to +150	°C
Storage temperature range	Tstg	-65 to +200	°C

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter		Symbol	BY228GP	Unit
Maximum instantaneous forward voltage at 2.5A		VF	1.6	V
Maximum peak reverse current at rated peak reverse voltage	TA=25°C TJ=140°C	I _R	5.0 200	μΑ
Maximum reverse recovery time at IF=1.0A, IR=50mA, di/dt=50mA/µs		trr	20	μs
Maximum reverse recovery time at I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	typical maximum	trr	0.5 2.0	μs
Maximum forward recovery time at IF=5.0A with tr=0.1µs		tfr	1.0	μs
Typical junction capacitance at 4.0V, 1MHz		CJ	40	pF

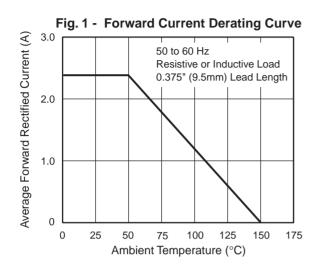
Notes: (1) Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

BY228GP

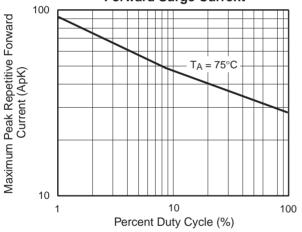
Vishay Semiconductors formerly General Semiconductor

Ratings and

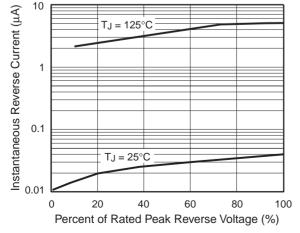
Characteristic Curves (TA = 25°C unless otherwise noted)











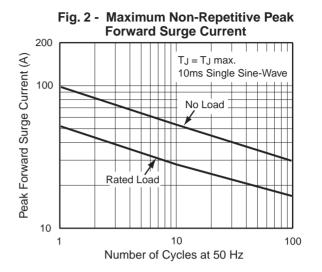
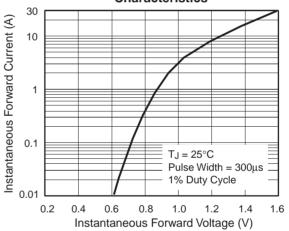
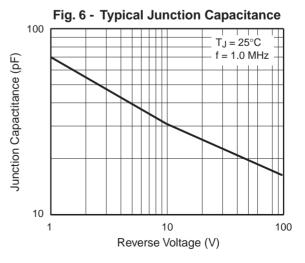


Fig. 4 - Typical Instantaneous Forward Characteristics









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