

Vishay General Semiconductor

ELECTRICAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)											
PARAMETER	TEST CONDITIONS		SYMBOL	RGP02- 12E	RGP02- 14E	RGP02- 15E	RGP02- 16E	RGP02- 17E	RGP02- 18E	RGP02- 20E	UNIT
Maximum instantaneous forward voltage	0.1 A		V _F	1.8					V		
Maximum DC reverse current at rated DC blocking voltage		T _A = 25 °C	1-	5.0						μΑ	
		T _A = 125 °C	- I _R	50							
Maximum reverse recovery time	$I_F = 0.5 \text{ A}, I_R = 1.0 \text{ A},$ $I_{rr} = 0.25 \text{ A}$		t _{rr}	300						ns	

THERMAL CHARACTERISTICS (T _A = 25 °C unless otherwise noted)									
PARAMETER	SYMBOL	RGP02- 12E	RGP02- 14E	RGP02- 15E	RGP02- 16E	RGP02- 17E	RGP02- 18E	RGP02- 20E	UNIT
Typical thermal resistance	R _{0JA} (1)	65							°C/W
Typical triefmartesistatice	R _{0JL} (1)	30							

Note

⁽¹⁾ Thermal resistance from junction to ambient and from junction to lead at 0.375" (9.5 mm) lead length, PCB mounted

ORDERING INFORMATION (Example)								
PREFERRED P/N	PREFERRED P/N UNIT WEIGHT (g) PR		BASE QUANTITY	DELIVERY MODE				
RGP02-12E-E3/54	0.24	54	5500	13" diameter paper tape and reel				
RGP02-12E-E3/73	0.24	73	3000	Ammo pack packaging				

RATINGS AND CHARACTERISTICS CURVES (T_A = 25 °C unless otherwise noted)

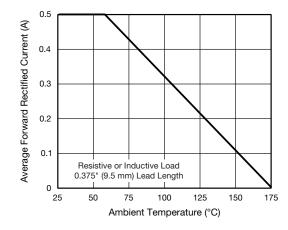


Fig. 1 - Forward Current Derating Curve

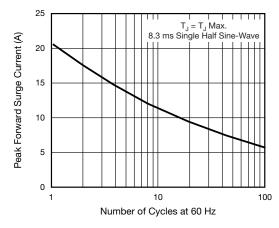


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current



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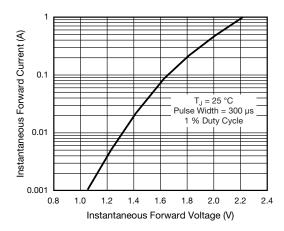


Fig. 3 - Typical Instantaneous Forward Characteristics

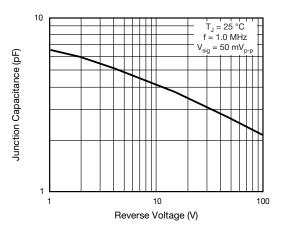


Fig. 5 - Typical Junction Capacitance

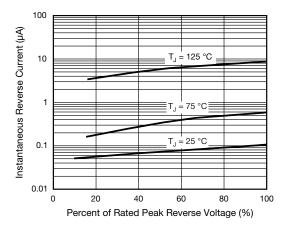
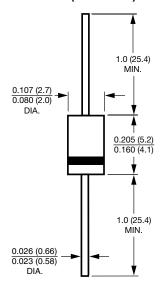


Fig. 4 - Typical Reverse Characteristics

PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-41 (DO-204AL)





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