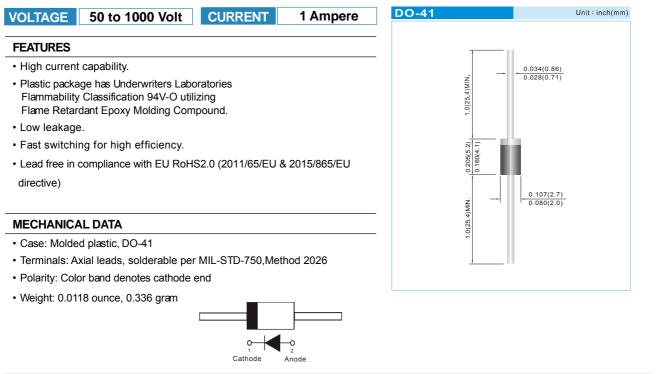


GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

PARAMETER	SYMBOL	PG100R	PG101R	PG102R	PG104R	PG106R	PG108R	PG1010R	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	v
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at T _A =55°C	I _{F(AV)}	1						A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	30						A	
Maximum Forward Voltage at 1A	V _F	1.3						V	
Maximum DC Reverse Current at at Rated DC T _j =25°C Blocking Voltage T _j =100°		1 100						μA	
Typical Junction Capacitance (Note 1)	C」	12				pF			
Aaximum Reverse Recovery Time		150			250	500		ns	
Typical Thermal Resistance	R _{eja}	67					°C / W		
Operating and Storage Temperature Range	T _J , T _{stg}	-55 to +150			°C				

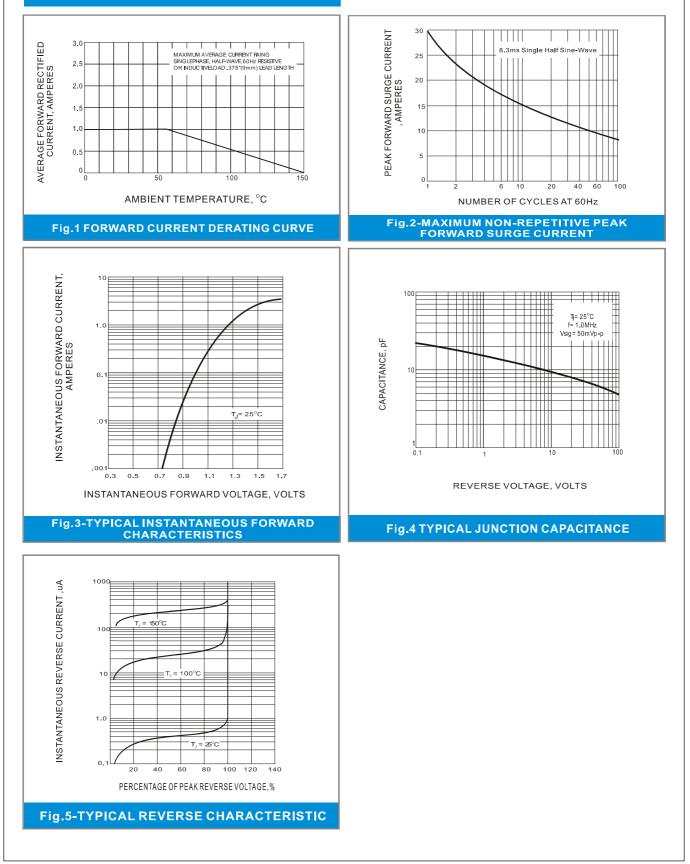
NOTES:1. Reverse recovery test conditions: I_F =0.5A, I_R =1A, I_{rr} =0.25A

2. Measured at 1 MHz and applied reverse voltage of 4 VDC

3. Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted



RATING AND CHARACTERISTIC CURVES







Part No_packing code_Version

PG100R_AY_00001 PG100R_AY_10001 PG100R_B0_00001 PG100R_B0_10001 PG100R_R2_00001 PG100R_R2_10001

For example :

RB500V-40_R2_00001

Part No.

Serial number

-

Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX				Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				





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