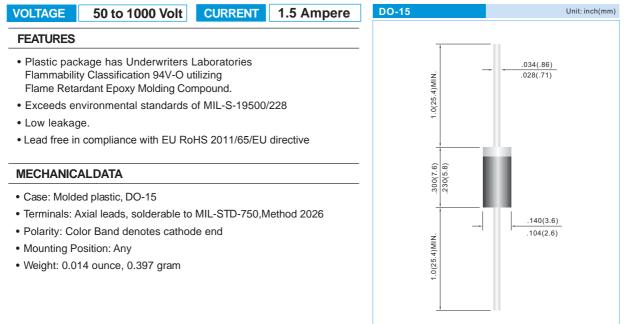


GLASS PASSIVATED JUNCTION PLASTIC RECTIFIER



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER	SYMBOL	PG150	PG151	PG152	PG154	PG156	PG158	PG1510	UNITS
Maximum Recurrent Peak Reverse Voltage		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 .375"(9.5mm) lead length at $T_A = 60^{\circ}C$	I _{F(AV)}	1.5						А	
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I _{FSM}	50					A		
Maximum Forward Voltage at 1.5A	V _F	1.1				V			
Maximum DC Reverse Current Tj=25°C at Rated DC Blocking Voltage Tj=100°C	I _R	1.0 50.0				μΑ			
Typical Junction capacitance (Note 1)	C	25				рF			
Typical Thermal Resistance(Note 2)	R _{eja}	45				°C / W			
Operating Junction and Storage Temperature Range	T _J ,T _{stg}	-55 to +150			٥C				

NOTES:1. Measured at 1 MHz and applied reverse voltage of 4.0 VDC

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



PG150~PG1510

RATING AND CHARACTERISTIC CURVES

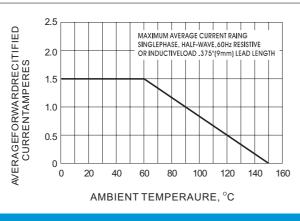


Fig.1- FORWARD CURRENT DERATING CURVE

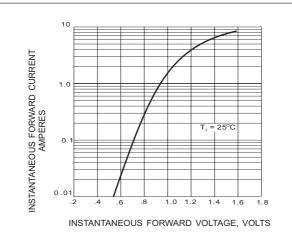


Fig.3- TYPICAL FORWARD CHARACTERISTIC

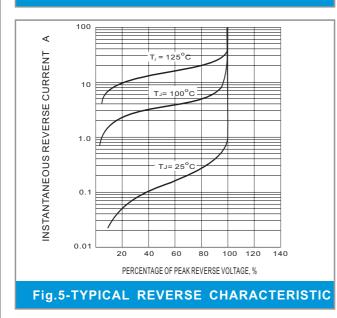




Fig.2- MAXIMUM OVERLOAD SURGE CURRENT

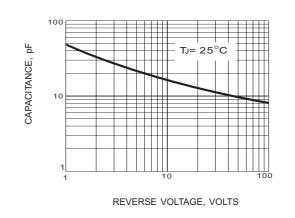


Fig.4- TYPICAL JUNCTION CAPACITANCE





PG150~PG1510

Part No_packing code_Version

PG150_AY_00001
PG150_AY_10001
PG150_B0_00001
PG150_B0_10001
PG150_R2_00001
PG150_R2_10001

For example :

RB500V-40_R2_00001



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)	Α	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					





PG150~PG1510

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