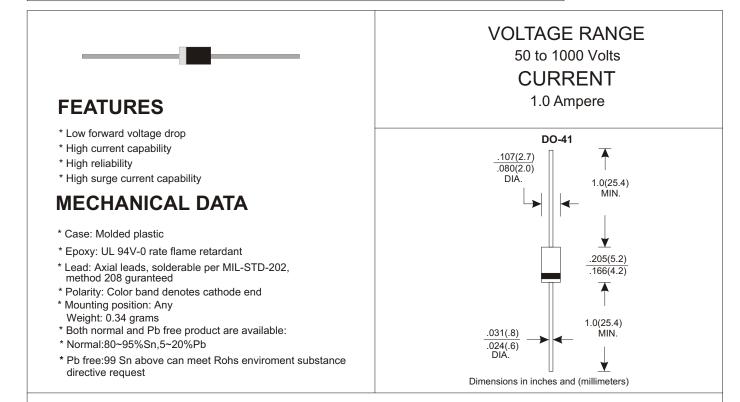
GP10A THRU GP10M

1.0 AMP SILICON RECTIFIERS





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	GP10A	GP10B	GP10D	GP10G	GP10J	GP10K	GP10M	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=75 ℃				1.0				A
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		40					А	
Maximum Instantaneous Forward Voltage at 1.0A				1.0				V
Maximum DC Reverse Current Ta=25°C		5.0						uA
at Rated DC Blocking Voltage Ta=100°C		50						uA
Typical Junction Capacitance (Note 1)				15				pF
Maximum Reverse Recovery Time (Note 2)				2500				nS
Typical Thermal Resistance R JA (Note 3)				50				°C/W
Operating and Storage Temperature Range Tj, TSTG		-65-+150					°C	

NOTES:

2. Reverse Recovery Time test condition:IF=1.0A, VR=30V.

3. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

RATING AND CHARACTERISTIC CURVES (GP10A THRU GP10M)



