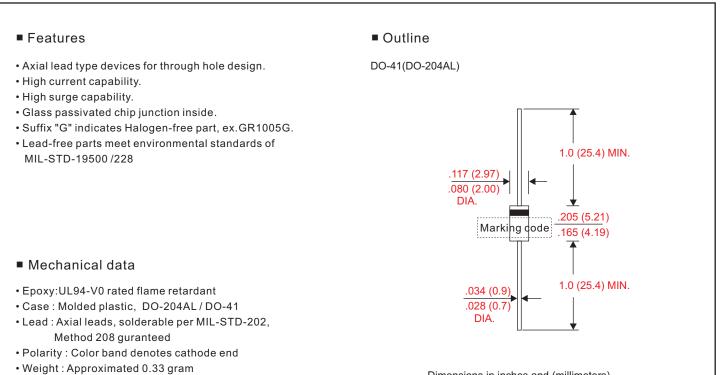
IC

GR1005 THRU GR110

1A Leaded Type General Purpose Rectifiers



Dimensions in inches and (millimeters)

Maximum ratings and electrical characteristics

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

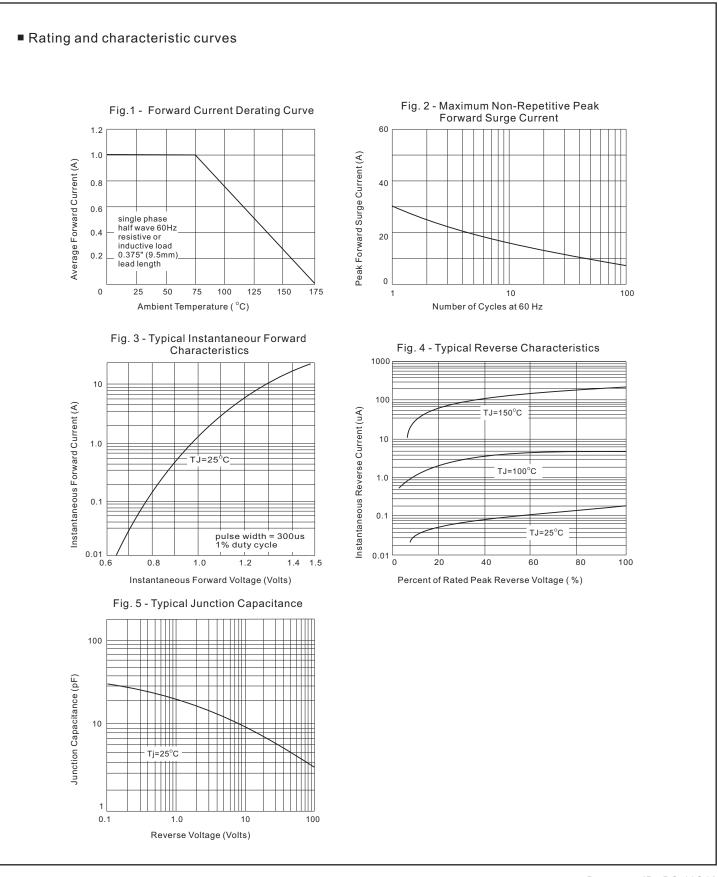
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current	0.375"(9.5mm) lead length at $T_A = 75^{\circ}C$	I _o			1.0	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{fsm}			30	А
D	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				5.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I _R			100	
Thermal resistance	Junction to ambient	R _{eja}		50		°C/W
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C		15		pF
Storage temperature		T _{STG}	-55		+150	°C

Symbol	Marking code	Max. repetitive peak reverse voltage V _{RRM} (V)	Max. RMS voltage V _{RMS} (V)	Max. DC blocking voltage V _R (V)	Max. forward voltage @1.0A, $T_A = 25^{\circ}C$ $V_F(V)$	Operating temperature T _J (°C)	
GR1005	GR1005	50	35	50			
GR101	GR101	100	70	100			
GR102	GR102	200	140	200			
GR104	GR104	400	280	400	1.10	-55 ~ +150	
GR106	GR106	600	420	600			
GR108	GR108	800	560	800			
GR110	GR110	1000	700	1000			



GR1005 THRU GR110

1A Leaded Type General Purpose Rectifiers





GR1005 THRU GR110

1A Leaded Type General Purpose Rectifiers

- CITC reserves the right to make changes to this document and its products and specifications at any time without notice.
- Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.
- CITC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does CITC assume any liability for application assistance or customer product design.
- CITC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.
- No license is granted by implication or otherwise under any intellectual property rights of CITC.
- CITC products are not authorized for use as critical components in life support devices or systems without express written approval of CITC.