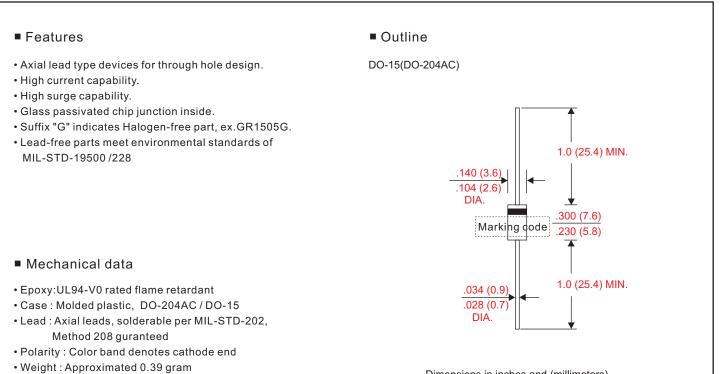
IC

GR1505 THRU GR1510

1.5A 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%.

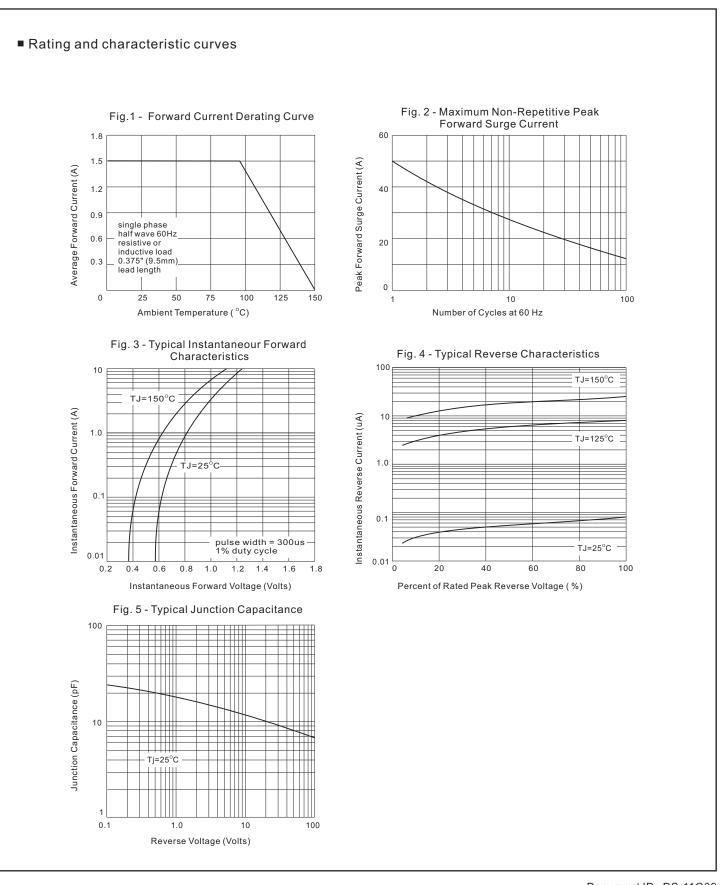
Parameter	Conditions	Symbol	MIN.	TYP.	MAX.	UNIT
Forward rectified current		I _o			1.5	А
Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I _{FSM}			50	А
5	$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$				1.0	uA
Reverse current	$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$	I _R			300	
Thermal resistance	Junction to ambient	R _{eja}		50		°C/W
Diode junction capacitance	f=1MHz and applied 4V DC reverse voltage	C		20		pF
Storage temperature		T _{stg}	-50		+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 @1.5A, $T_A = 25^{\circ}C$ $V_F(V)$	Max. reverse recovery time(1) T _{rr} (us)	Operating temperature T _J (°C)			
GR1505	GR1505	50	35	50						
GR151	GR151	100	70	100						
GR152	GR152	200	140	200						
GR154	GR154	400	280	400	1.10	2.5	-50 ~ +150			
GR156	GR156	600	420	600						
GR158	GR158	800	560	800						
GR1510	GR1510	1000	700	1000						
Note : 1. I _F = 0.5A, I _R = 1.0A, I _{RR} = 0.25A										



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