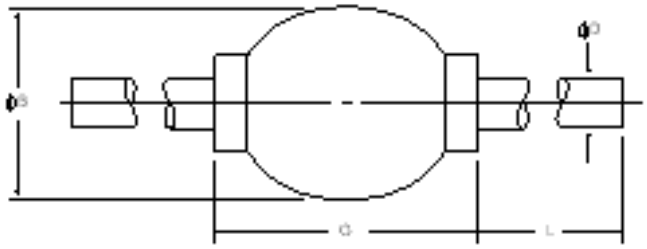
FAST RECOVERY RECTIFIERS

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^oC$ unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV) 1N4942 1N4944 1N4946 1N4947 1N4948	-	-	-	 200 400 600 800 1000	Vdc
Average DC Output Current (I_o)	$T_A = +55^oC$	-	-	1.0	Amps
Peak Single Cycle Surge Current (I_{fsm})	t_p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	15	Amps(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-65	-	+175	°C
Maximum Forward Voltage (V_f)	I_f = 1A (300 μsec pulse, duty cycle < 2%)		-	1.3	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T_A = 25° C T_A = 100° C	-	-	1.0 200	μAmps
Reverse Recovery Time (t_{rr}) 1N4942 1N4944 1N4946 1N4947 1N4948	I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A	-	-	 150 150 250 250 500	Nsec
Thermal Resistance (θ_{JL})	d = 0.375"	-	-	38	° C/W

AXIAL LEAD RECTIFIER OUTLINES



Note: Cathode side of device is indicated by a dark band marked on body.

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	ΦB	ΦD	G	L
103	.065/.150	.027/.033	.140/.250	1.0/1.50
	1.65/3.81	.69/.84	3.56/6.35	25.4/38.1