SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 124, REV A 1N5186 1N5187 1N5188 1N5190

SJ SX SV

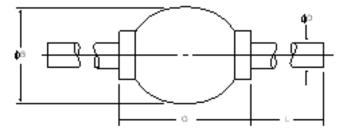
FAST RECOVERY RECTIFIERS

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^{\circ}$ C unless otherwise specified.								
RATING	CONDITIONS	MIN	TYP	MAX	UNIT			
Peak Inverse Voltage (PIV) 1N5186 1N5187 1N5188 1N5190	-	-	-	100 200 400 600	Vdc			
Average DC Output Current (I_o)	$T_{A} = +25 ^{\circ}C$	-	-	3.0	Amps			
	$T_{A} = +150 ^{\circ}C$			0.7				
Peak Single Cycle Surge Current (I _{fsm})	t _p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	80	Amps(pk)			
Operating and Storage Temp. (T _{op} & T _{stg})	emp		-	+175	°C			
Maximum Forward Voltage (V_f)	I _f = 9A (300 μsec pulse, duty cycle < 2%)	.9	-	1.5	Volts			
Maximum Instantaneous	T _A = 25° C	-	-	2.0				
Reverse Current At Rated (PIV)	$T_A = 20^{\circ} C$ $T_A = 100^{\circ} C$			100	μAmps			
Reverse Recovery Time (t _{rr}) 1N5186 1N5187 1N5188 1N5190	$I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A$	-	-	150 200 250 400	nsec			
Thermal Resistance (θ_{JL})	d = 0.375"	-	-	20	° C/W			

• 221 West Industry Court □ Deer Park, NY 11729 □ (631) 586 7600, FAX 631 242 9798 •
• World Wide Web - www.sensitron.com • E-mail Address - sales@sensitron.com •

SENSITRON	1N5186 1N5187
SEMICONDUCTOR	1N5188 1N5190
TECHNICAL DATA	
DATA SHEET 124, REV A	

AXIAL LEAD RECTIFIER OUTLINES



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

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS						
	咍	۴D	G	L			
303	.110/.180	.037/.042	.130/.260	.90/1.30			
	2.79/4.57	.94/1.07	3.30/6.60	22.9/33.0			

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