

SENSITRON SEMICONDUCTOR

1N5415/US thru 1N5420/US

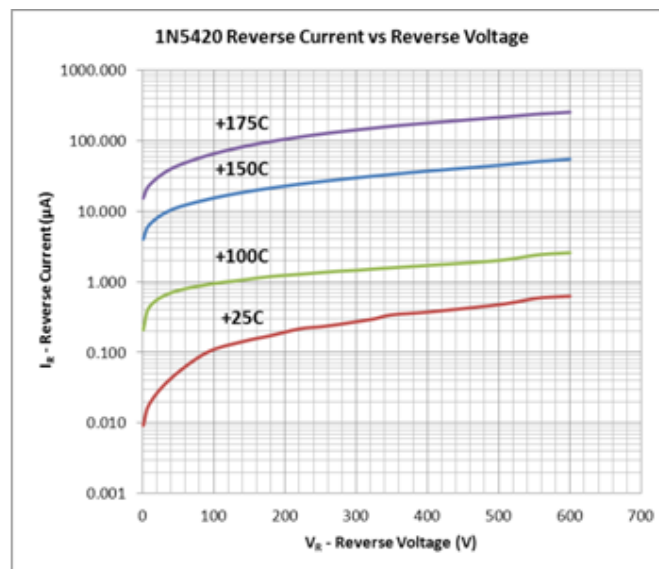
**3A FAST RECOVERY
RECTIFIERS**

TECHNICAL DATA
DATA SHEET 125, REV E

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Reverse Recovery Time (t_{rr}) 1N5415/US, 1N5416,US 1N5417,US, 1N5418,US 1N5419/US, 1N5420,US	$I_f = 0.5A$, $I_r = 1.0A$, $I_{rr} = 0.25A$	-	-	150 150 250 400	nsec
Thermal Resistance (θ_{JL})	$d = 0.375"$	-	-	22	$^{\circ}C/W$
Thermal Resistance (θ_{JC})	$L=0$ for US versions	-	-	6.5	$^{\circ}C/W$

*Sensitron **space equivalent diodes** are manufactured and screened to MIL-PRF-19500 flow and guidelines starting from wafer fabrication through assembly and testing using our internal specification.

GRAPHS:

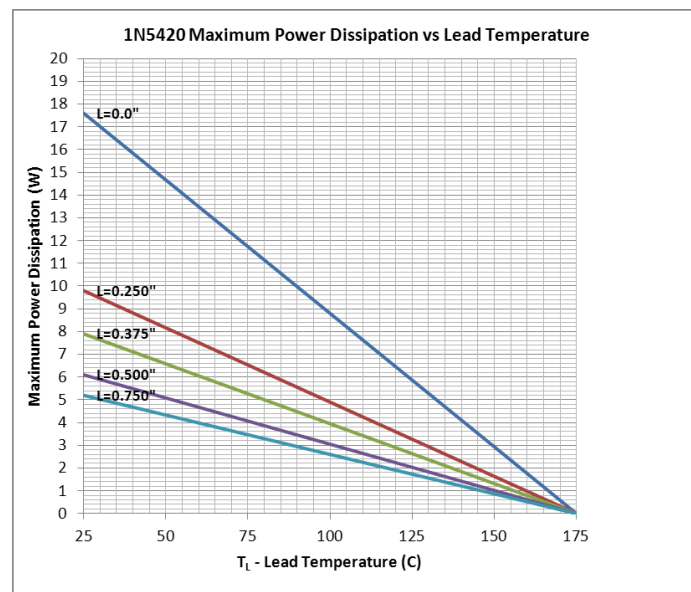
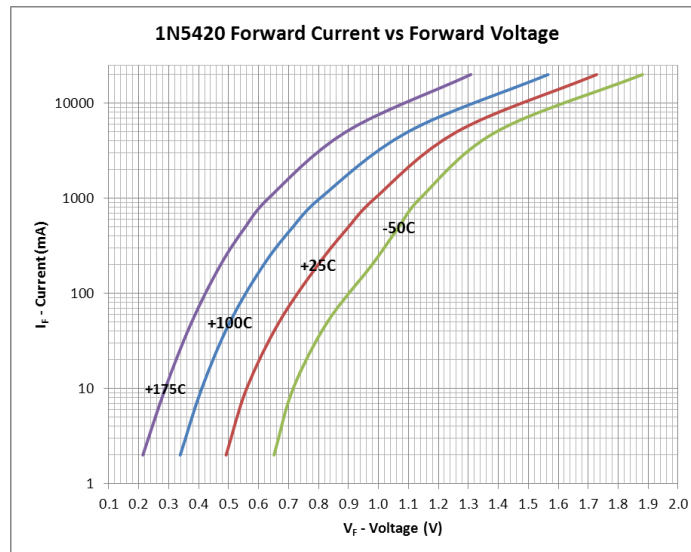


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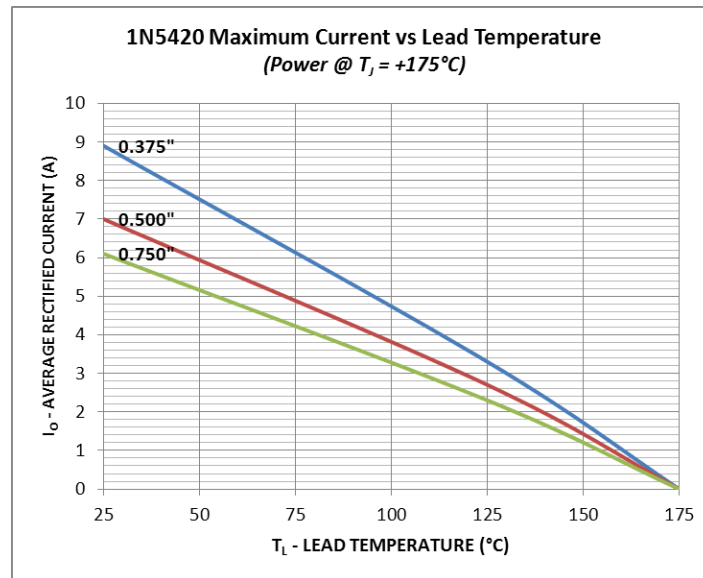


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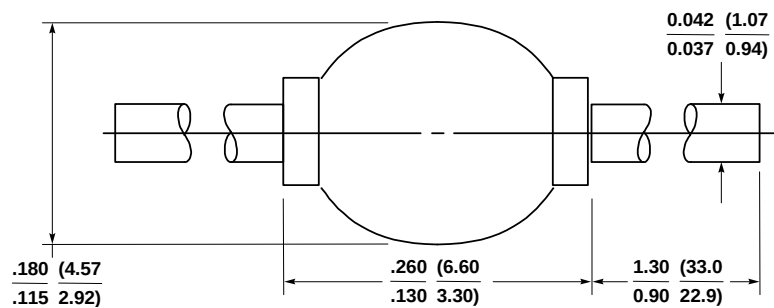
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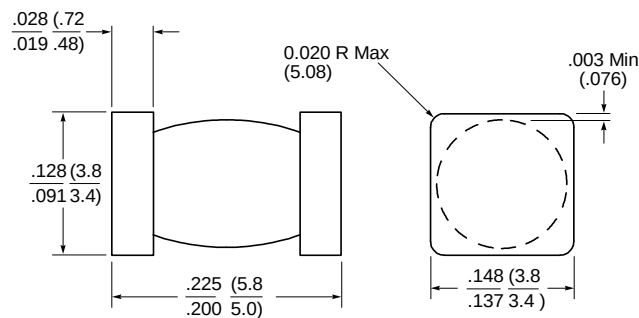


PACKAGE DIMENSIONS (inches/mm)

AXIAL (PKG 301)



MELF (Add "US" to part number)



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TECHNICAL DATA
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PART ORDERING INFORMATION

The following part numbers can be screened and tested to the military screening flow. The parts are marked in accordance with the testing performed, example:

Sensitron Screening Level	*Part Number-- Leaded Package (example for 1N5415)	*Part Number-- Surface Mount Package (example for 1N5415US)
1N	1N5415	1N5415US
JAN	JAN1N5415	JAN1N5415US
JANTX	JANTX1N5415	JANTX1N5415US
JANTXV	JANTXV1N5415	JANTXV1N5415US
SJ	SJ5415	SJ5415US
SX	SX5415	SX5415US
SV	SV5415	SV5415US
JANS	JANS1N5415	JANS1N5415US
SS	SS5415	SS5415US

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