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1.5 WATT SILICON ZENER DIODE

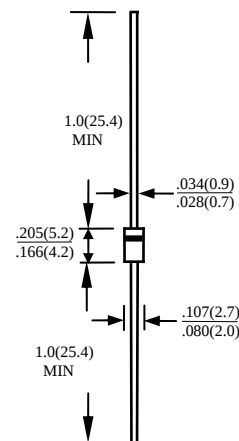
1N5921B-LFR THRU 1N5956B-LFR

FEATURES

- PLASTIC PACKAGE HAS UNDERWRITERS LABORATORY FLAMMABILITY CLASSIFICATION 94V-0
- LOW ZENER IMPEDANCE
- EXCELLENT CLAMPING CAPABILITY
- LEAD FREE

MECHANICAL DATA

- CASE: MOLDED PLASTIC, DO41, DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS: AXIAL LEADS SOLDERABLE PER MIL-STD-202,METHOD 208
- POLARITY: COLOR BAND DENOTES CATHODE
- MOUNTING POSITION: ANY
- WEIGHT: .34 GRAM



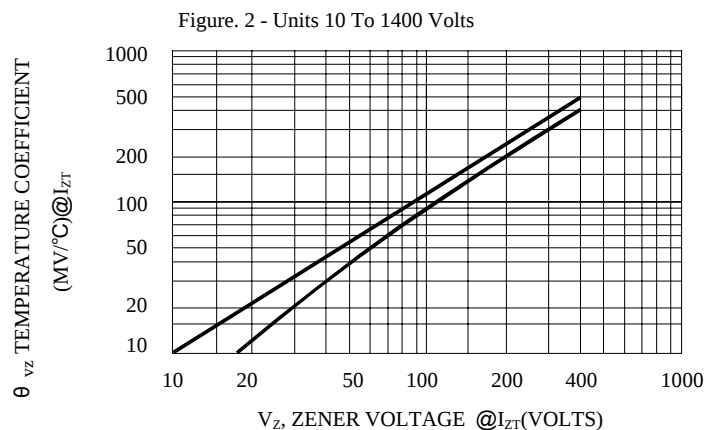
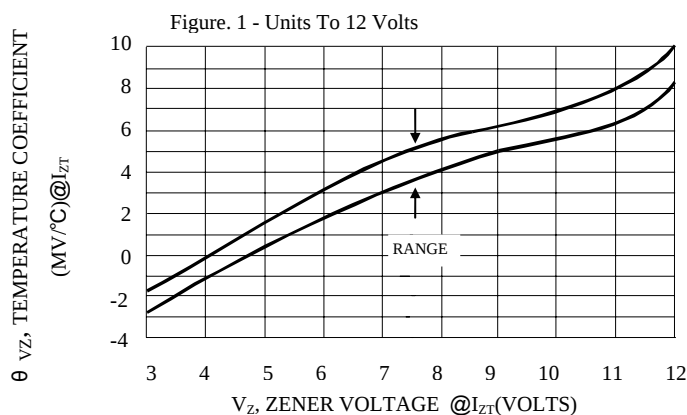
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED
STORAGE AND OPERATING TEMPERATURE RANGE -55 TO + 150°C

ELECTRICAL CHARACTERISTICS (TL=30°C UNLESS OTHERWISE NOTED VF=1.5V MAX, @IF = 200mA DC FOR ALL TYPES)								
JEDEC TYPE	NOMINAL ZENER VOLTS $V_Z @ I_{ZT}$ VOLTS	TEST CURRENT I_{ZT} mA	MAXIMUM ZENER IMPEDANCE			MAX. REVERSE LEAKAGE CURRENT		MAXIMUM DC ZENER CURRENT I_{ZM} mA DC
			$Z_{ZT} @ I_{ZT}$ Ohms	$Z_{ZK} @$ Ohms	I_{ZK} mA	I_R μA	@ V_R VOLTS	
1N5921B-LFR	6.8	55.1	2.5	200	1	5	5.2	220
1N5922B-LFR	7.5	50.0	3	400	0.5	5	6	200
1N5923B-LFR	8.2	45.7	3.5	400	0.5	5	6.5	182
1N5924B-LFR	9.1	41.2	4	500	0.5	5	7	164
1N5925B-LFR	10	37.5	4.5	500	0.25	5	8	150
1N5926B-LFR	11	34.1	5.5	550	0.25	1	8.4	136
1N5927B-LFR	12	31.2	6.5	550	0.25	1	9.1	125
1N5928B-LFR	13	28.8	7	550	0.25	1	9.9	115
1N5929B-LFR	15	25.0	9	600	0.25	1	11.4	100
1N5930B-LFR	16	23.4	10	600	0.25	1	12.2	93
1N5931B-LFR	18	20.8	12	650	0.25	1	13.7	83
1N5932B-LFR	20	18.7	14	650	0.25	1	15.2	75
1N5933B-LFR	22	17.0	17.5	650	0.25	1	16.7	68
1N5934B-LFR	24	15.6	19	700	0.25	1	18.2	62
1N5935B-LFR	27	13.9	23	700	0.25	1	20.6	55
1N5936B-LFR	30	12.5	26	750	0.25	1	22.8	50
1N5937B-LFR	33	11.4	33	800	0.25	1	25.1	45
1N5938B-LFR	36	10.4	38	850	0.25	1	27.4	41
1N5939B-LFR	39	9.6	45	900	0.25	1	29.7	38
1N5940B-LFR	43	8.7	53	950	0.25	1	32.7	34
1N5941B-LFR	47	8.0	67	1000	0.25	1	35.8	31
1N5942B-LFR	51	7.3	70	1100	0.25	1	38.8	29
1N5943B-LFR	56	6.7	86	1300	0.25	1	42.6	26
1N5944B-LFR	62	6.0	100	1500	0.25	1	47.1	24
1N5945B-LFR	68	5.5	120	1700	0.25	1	51.7	22
1N5946B-LFR	75	5.0	140	2000	0.25	1	56	20
1N5947B-LFR	82	4.6	160	2500	0.25	1	62.2	18
1N5948B-LFR	91	4.1	200	3000	0.25	1	69.2	16
1N5949B-LFR	100	3.7	250	3100	0.25	1	76	15
1N5950B-LFR	110	3.4	300	4000	0.25	1	83.6	13
1N5951B-LFR	120	3.1	380	4500	0.25	1	91.2	12
1N5952B-LFR	130	2.9	450	5000	0.25	1	98.8	11
1N5953B-LFR	150	2.5	600	6000	0.25	1	114	10
1N5954B-LFR	160	2.3	700	6500	0.25	1	121.6	9
1N5955B-LFR	180	2.1	900	7000	0.25	1	136.8	8
1N5956B-LFR	200	1.9	1200	8000	0.25	1	152	7

NOTE: SUFFIX "B" FOR $\pm 5\%$

RATINGS AND CHARACTERISTIC CURVES 1N5921B-LFR THRU 1N5956B-LFR

TEMPERATURE COEFFICIENT RANGES (90% of the Units are in the Ranges Indicated)



ZENER VOLTAGE versus ZENER CURRENT

