

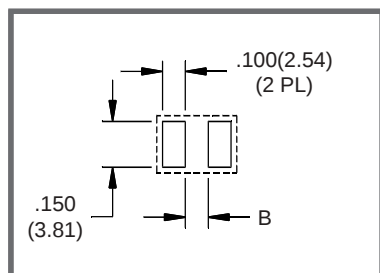
High Voltage Rectifiers - Formed Lead

0.8A - 3.5A • 30ns - 70ns • Hermetic

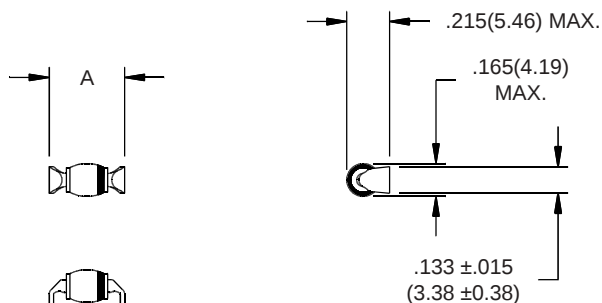
ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS												
Part Number	Working Reverse Voltage	Average Rectified Current		Reverse Current @ V _{rw}		Forward Voltage		1 Cycle Surge Current tp=8.3ms (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (3) (T _{rr})	Thermal Impd. θ_{J-C}	Junction Cap. @50VDC @1kHz (C _j)
	(V _{rw})	(I _o)		(I _r)		(V _f)						
	Volts	55°C(1) Amps	100°C(2) Amps	25°C μ A	100°C μ A	25°C Volts	25°C Amps	25°C Amps	25°C Amps	25°C ns	25°C °C / W	25°C pF
Z20FF3LL Z50FF3LL	2000 5000	2.0 0.8	1.2 0.4	1.0 1.0	25 25	6.0 12.5	0.75 0.36	65 22	10 4	30 30	5.0 5.0	20 16
Z20FF5LL Z50FF5LL	2000 5000	2.0 0.8	1.2 0.4	1.0 1.0	25 25	6.0 12.5	0.75 0.36	65 22	10 4	50 50	5.0 5.0	20 16
1N6513LL 1N6515LL 1N6517LL	2000 3000 5000	3.5 2.5 1.5	2.4 1.5 1.0	1.0 1.0 1.0	25 25 25	3.5 6.0 8.0	2.0 1.5 1.0	100 60 40	15 10 8	70 70 70	5.0 5.0 5.0	25 20 16

(1)TC=55°C (2)TC=100°C (3)I_f=0.5A, I_r=1.0A, I_{rr}=0.25A *Op. Temp.= -65°C to +175°C Stg. Temp.= -65°C to +200°C

Part	A	B
Z20FF3LL Z20FF5LL	.350(8.89) MAX. .320(8.13) MIN.	.220 (5.59)
Z50FF3LL Z50FF5LL	.390(9.91) MAX. .350(8.89) MIN.	.260 (6.60)
1N6513LL	.340(8.64) MAX. .320(8.13) MIN.	.210 (5.33)
1N6515LL	.360(9.14) MAX. .340(8.64) MIN.	.230 (5.84)
1N6517LL	.380(9.65) MAX. .350(8.89) MIN.	.250 (6.35)



Markings:
Cathode band.



.022 ± .003
(.56 ± .08)
Dimension uncontrolled
in this area due to
solder fillet.



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

TEL. 559-651-1402
FAX 559-651-0740

www.voltagemultipliers.com
www.highvoltagepowersupplies.com