



# Frontier Electronics Corp.

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## 500mW MINI MELF ZENER DIODE

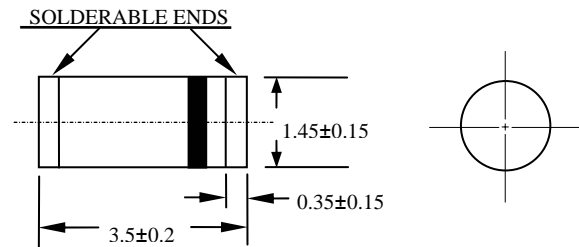
### GLZJ2.0A THRU GLZJ36D

#### FEATURES

- LOW COST
- SMALL SIZE
- GLASS SEALED

#### MECHANICAL DATA

- CASE: MINI MELF GLASS CASE. DO-213AA ( GL34 )  
DIMENSIONS IN MILLIMETERS
- TERMINALS: SOLDERABLE PER MIL-STD -202, METHOD 208
- POLARITY: COLOR BAND DENOTES CATHODE
- MOUNTING POSITION: ANY
- WEIGHT: 0.036 GRAMS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

ELECTRICAL CHARACTERISTICS (TA=25°C UNLESS OTHERWISE NOTED) VF=1.0V MAX, IF = 100mA FOR ALL TYPES								
TYPE	CLASS	Nominal Zener Voltage Vz @ IZT (V)		Test Current IZT(mA)	Maximum Zener Impedance		Maximum Reverse Leakage Current	
		Min.	Max.		ZZT @ IZT	ZZK AT IZK=1mA	IR (μA)	@ VR VOLTS
					OHMS	OHMS		
GLZJ 2.0	A	1.88	2.10	5	100	1000	120	0.5
	B	2.02	2.20					
GZLJ 2.2	A	2.12	2.30	5	100	1000	100	0.7
	B	2.22	2.41					
GLZJ 2.4	A	2.33	2.52	5	100	1000	120	1.0
	B	2.43	2.63					
GLZJ 2.7	A	2.54	2.75	5	110	1000	100	1.0
	B	2.69	2.91					
GLZJ 3.0	A	2.85	3.07	5	120	1000	50	1.0
	B	3.01	3.22					
GLZJ 3.3	A	3.16	3.38	5	120	1000	20	1.0
	B	3.32	3.53					
GLZJ 3.6	A	3.46	3.69	5	100	1000	10	1.0
	B	3.60	3.84					
GLZJ 3.9	A	3.74	4.01	5	100	1000	5	1.0
	B	3.89	4.16					
GLZJ 4.3	A	4.04	4.29	5	100	1000	5	1.0
	B	4.17	4.43					
	C	4.30	4.57					
GLZJ 4.7	A	4.44	4.68	5	90	900	5	1.0
	B	4.55	4.80					
	C	4.68	4.93					
GLZJ 5.1	A	4.81	5.07	5	80	800	5	1.5
	B	4.94	5.20					
	C	5.09	5.37					

NOTE : \* MINI MELF MOLDED GLASS .

TYPE	CLASS	Nominal Zener Voltage Vz @ IZT (V)		Test Current IZT(mA)	Maximum Zener Impedance		Maximum Reverse Leakage Current	
		Min.	Max.		ZZT @ IZT	ZZK AT IZK=1mA	IR ( $\mu$ A)	@ VR VOLTS
					OHMS	OHMS		
GLZJ 5.6	A	5.28	5.55	5	60	500	5	2.5
	B	5.45	5.73					
	C	5.61	5.91					
GLZJ 6.2	A	5.78	6.09	5	60	300	5	3.0
	B	5.96	6.27					
	C	6.12	6.44					
GLZJ 6.8	A	6.29	6.63	5	20	150	2	3.5
	B	6.49	6.83					
	C	6.66	7.01					
GLZJ 7.5	A	6.85	7.22	5	20	120	0.5	4.0
	B	7.07	7.45					
	C	7.29	7.67					
GLZJ 8.2	A	7.53	7.92	5	20	120	0.5	5.0
	B	7.78	8.19					
	C	8.03	8.45					
GLZJ 9.1	A	8.29	8.73	5	25	120	0.5	6.0
	B	8.57	9.01					
	C	8.83	9.30					
GLZJ 10	A	9.12	9.59	5	30	120	0.2	7.0
	B	9.41	9.90					
	C	9.70	10.20					
	D	9.94	10.44					
GLZJ 11	A	10.18	10.71	5	30	120	0.2	8.0
	B	10.50	11.05					
	C	10.82	11.38					
GLZJ 12	A	11.13	11.71	5	30	110	0.2	9.0
	B	11.44	12.03					
	C	11.74	12.35					
GLZJ 13	A	12.11	12.75	5	35	110	0.2	10.0
	B	12.55	13.21					
	C	12.99	13.66					
GLZJ 15	A	13.44	14.13	5	40	110	0.2	11.0
	B	13.89	14.62					
	C	14.35	15.09					
GLZJ 16	A	14.80	15.57	5	40	150	0.2	12.0
	B	15.25	16.04					
	C	15.69	16.51					
GLZJ 18	A	16.22	17.06	5	45	150	0.2	13.0
	B	16.82	17.70					
	C	17.42	18.33					
GLZJ 20	A	18.02	18.96	5	55	200	0.2	15.0
	B	18.63	19.59					
	C	19.23	20.22					
	D	19.72	20.72					
GLZJ 22	A	20.15	21.20	5	30	200	0.2	17.0
	B	20.64	21.71					
	C	21.08	22.17					
	D	21.52	22.63					
GLZJ 24	A	22.05	23.18	5	35	200	0.2	19.0
	B	22.61	23.77					
	C	23.12	24.31					
	D	23.63	24.85					
GLZJ 27	A	24.26	25.52	5	45	250	0.2	21.0
	B	24.97	26.26					
	C	25.63	26.95					
	D	26.29	27.64					
GLZJ 30	A	26.99	28.39	5	55	250	0.2	23.0
	B	27.70	29.13					
	C	28.36	29.82					
	D	29.02	30.51					

TYPE	CLASS	Nominal Zener Voltage Vz @ IZT (V)		Test Current IZT(mA)	Maximum Zener Impedance		Maximum Reverse Leakage Current	
		Min.	Max.		ZZT @ IZT	ZZK AT IZK=1mA	IR ( $\mu$ A)	@ VR VOLTS
					OHMS	OHMS		
GLZJ 33	A	29.68	31.22	5	65	250	0.2	25.0
	B	30.32	31.88					
	C	30.90	32.50					
	D	31.49	33.11					
GLZJ 36	A	32.14	33.79	21-163	75	250	0.2	27.0
	B	32.79	34.49	5				
	C	33.40	35.13					
	D	34.01	35.77					

# RATINGS AND CHARACTERISTIC CURVES GLZJ2.0A THRU GLZJ36D

FIG.1- BREAKDOWN CHARACTERISTICS

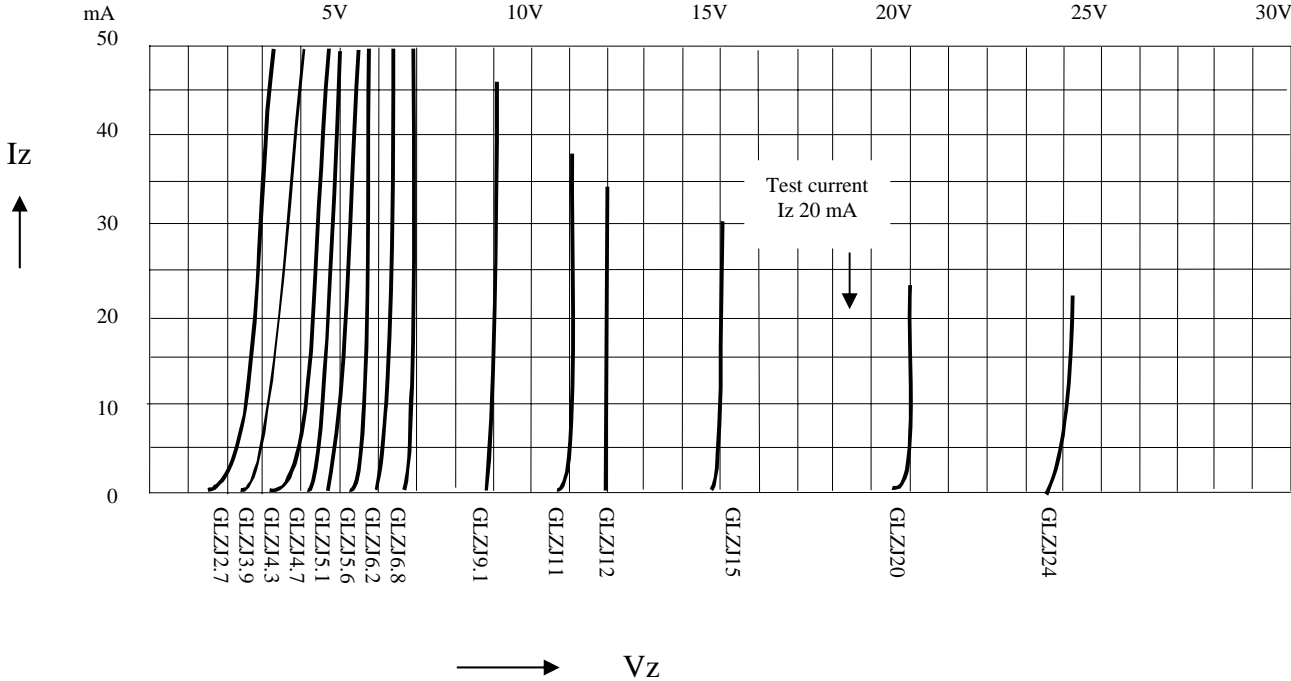


FIG.2- POWER ,TEMPERATURE DERATING CURVE

