



DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

DLQ5221B
THRU
DLQ5261B

TECHNICAL SPECIFICATIONS OF GLASS SILICON ZENER DIODES

FEATURES

- * Voltage Range: 2.4V to 47V
- * Double slug type construction

MECHANICAL DATA

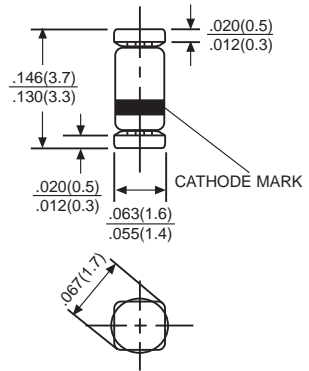
- * Case: Glass sealed case Micro Melf
- * Terminals: Solder plated, solderable per MIL-STD-750, Method 2026 guaranteed
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.05 grams Approx.

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%.



Quadro Melf



Dimensions in inches(millimeters)

	SYMBOL	VALUE	UNITS
Zener Current see Table "Characterisitics"			
Power Dissipation at Tamb=25°C	Ptot	500 ⁽¹⁾	mW
Junction Temperature	Tj	175	°C
Storage Temperature Range	Tstg	-55 to + 175	°C
Thermal Resistance Junction to Ambient Air	RthA	- - 0.3 ⁽¹⁾	K/mW Typ. Min. Max.
Forward Voltage at IF=100mA	VF	- - 1	Volts Typ. Min. Max.

1)Valid Provided that leads are kept at ambient temperature at a distance of 10 mm from case.

NOTE: Suffix "B" indicates Zener Voltage Tolerance ± 5%

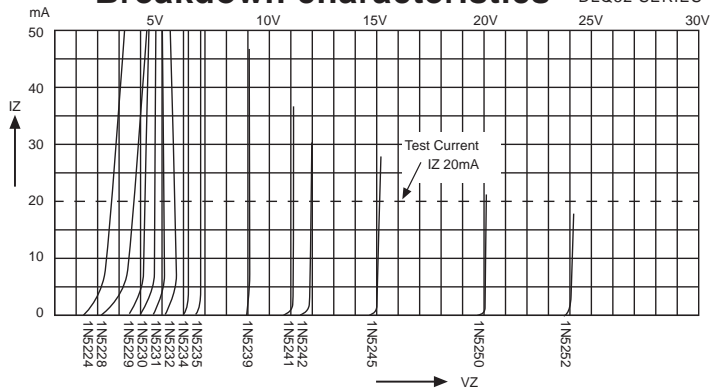
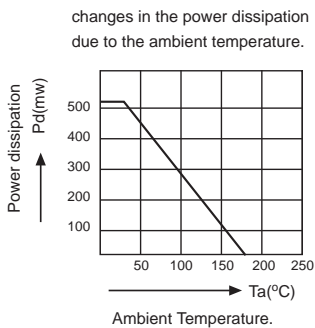
RATING AND CHARACTERISTIC CURVES (DLQ5221B THRU DLQ5261B)

TYPE	Nominal Zener Voltage $V_Z @ I_{ZT}$	Zener Test Current I_{ZT}	Maximum Zener Impedance		I_{ZK}	Maximum Reverse Leakage Current	
			$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$	
			Ohms	Ohms		μA	Volts
DLQ5221B	2.4	20	30	1200	0.25	100	1.0
DLQ5222B	2.5	20	30	1250	0.25	100	1.0
DLQ5223B	2.7	20	30	1300	0.25	75	1.0
DLQ5225B	3.0	20	30	1600	0.25	50	1.0
DLQ5226B	3.3	20	28	1600	0.25	25	1.0
DLQ5227B	3.6	20	24	1700	0.25	15	1.0
DLQ5228B	3.9	20	23	1900	0.25	10	1.0
DLQ5229B	4.3	20	22	2000	0.25	5	1.0
DLQ5230B	4.7	20	19	1900	0.25	5	2.0
DLQ5231B	5.1	20	17	1600	0.25	5	2.0
DLQ5232B	5.6	20	11	1600	0.25	5	3.0
DLQ5233B	6.0	20	9	1600	0.25	5	3.5
DLQ5234B	6.2	20	7	1000	0.25	5	4.0
DLQ5235B	6.8	20	5	750	0.25	3	5.0
DLQ5236B	7.5	20	6	500	0.25	3	6.0
DLQ5237B	8.2	20	8	500	0.25	3	6.0
DLQ5238B	8.7	20	9	600	0.25	3	6.5
DLQ5239B	9.1	20	10	600	0.25	3	6.5
DLQ5240B	10	20	17	600	0.25	3	8.0
DLQ5241B	11	20	22	600	0.25	3	8.4
DLQ5242B	12	20	30	600	0.25	2	9.1
DLQ5243B	13	9.5	13	600	0.25	1	9.9
DLQ5244B	14	9.0	14	600	0.25	0.5	10
DLQ5245B	15	8.5	16	600	0.25	0.1	11
DLQ5246B	16	7.8	17	600	0.25	0.1	12
DLQ5247B	17	7.4	19	600	0.25	0.1	13
DLQ5248B	18	7.0	21	600	0.25	0.1	14
DLQ5249B	19	6.6	23	600	0.25	0.1	14
DLQ5250B	20	6.2	25	600	0.25	0.1	15
DLQ5251B	22	5.6	29	600	0.25	0.1	17
DLQ5252B	24	5.2	33	600	0.25	0.1	18
DLQ5253B	25	5.0	36	600	0.25	0.1	19
DLQ5254B	27	4.6	41	600	0.25	0.1	21
DLQ5255B	28	4.5	44	600	0.25	0.1	21
DLQ5256B	30	4.2	49	600	0.25	0.1	23
DLQ5257B	33	3.8	58	700	0.25	0.1	25
DLQ5258B	36	3.4	70	700	0.25	0.1	27
DLQ5259B	39	3.2	80	800	0.25	0.1	30
DLQ5260B	43	3.0	93	900	0.25	0.1	33
DLQ5261B	47	2.7	150	1000	0.25	0.1	36

NOTE: Standard Zener Voltage Tolerance $\pm 5\%$

Breakdown characteristics

DLQ52 SERIES



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