ZM4728A - ZM4758A

Voltage Range - 3.3 to 56 V

Current - 0.25 to 1 mA

SEMICONDUCTOR

FEATUERS

- Color band indicates Negative Polarity
- Matte Tin (Sn) Lead Finish
- RoHS Complaint
- All External Surfaces Are Corrosion Resistant And Terminals Are Readily Solderable
- Compression Bonded construction
- Hermetically Sealed Glass
- Surface Mount Devices (SMD)
- LL-41 MELF Package (JEDEC DO-213AB)
- Zener voltage Range 3.3 to 56 Volts

Electrical Symbol

ABSOLUTE MAXIMUM RATINGS (TA=25 °C)

Parameter	Value	Units
Storage Temperature Range	-65 to +200	°C
Maximum Junction Operating Temperature	+175	°C
Total Device Dissipation	1.0	Watt
Thermal Resistance Junction to Ambient	170	°C / W

These ratings are limiting values above which the serviceability of the diode may be impaired.

ELECTRICAL CHARACTERISTICS (TA=25 °C)

Device Type	V_Z@ I_{ZT} (Volts) Nominal	I_{ZT} (mA)	Z_{ZT} @I_{ZT} (Ω) Max	I_{ZK} (mA)	Z_{ZH} @ f_{ZH} (Ω) Max	I_R @ V_R (µA) Max	V_R (Volts)
ZM4728A	3.3	76	10	1	400	100	1
ZM4729A	3.6	69	10	1	400	100	1
ZM4730A	3.9	64	9	1	400	50	1
ZM4731A	4.3	58	9	1	400	10	1
ZM4732A	4.7	53	8	1	500	10	1
ZM4733A	5.1	49	7	1	500	10	1
ZM4734A	5.6	45	5	1	600	10	2
ZM4735A	6.2	41	2	1	700	10	3
ZM4736A	6.8	37	3.5	1	700	10	4
ZM4737A	7.5	34	4	0.5	700	10	5
ZM4738A	8.2	31	4.5	0.5	700	10	6
ZM4739A	9.1	28	5	0.5	700	10	7
ZM4740A	10	25	7	0.25	700	10	7.6
ZM4741A	11	23	8	0.25	700	5	8.4

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ZM4742A	12	21	9	0.25	700	5	9.1
ZM4743A	13	19	10	0.25	700	5	9.9
ZM4744A	15	17	14	0.25	700	5	11.4
ZM4745A	16	15.5	16	0.25	700	5	12.2
ZM4746A	18	14	20	0.25	700	5	13.
ZM4747A	20	12.5	22	0.25	750	5	15.2
ZM4748A	22	11.5	23	0.25	750	5	16.7
ZM4749A	24	10.5	25	0.25	750	5	18.2
ZM4750A	27	9.5	35	0.25	750	5	20.6
ZM4751A	30	8.5	40	0.25	1000	5	22.8
ZM4752A	33	7.5	45	0.25	1000	5	25.1
ZM4753A	36	7	50	0.25	1000	5	27.4
ZM4754A	39	6.5	60	0.25	1000	5	29.7
ZM4755A	43	6	70	0.25	1500	5	32.7
ZM4756A	47	5.5	80	0.25	1500	5	35.8
ZM4757A	51	5	95	0.25	1500	5	38.8
ZM4758A	56	4.5	110	0.25	2000	5	42.6

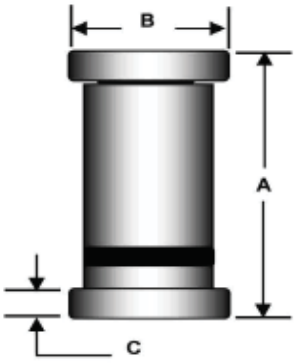
VF Forward Voltage = 1.2 V Maximum @ IF =200 mA for all types

Notes: 1. The device numbers listed have a standard tolerance on the nominal zener voltage of +-5%.

2. For detailed information on price, availability and delivery of nominal zener voltages between the voltages shown and tighter voltage tolerances, contact your nearest Tak Cheon's representative.

3. The zener impedance is derived from the 60-cycle ac voltage,which results when an ac current having an rms value equal to 10% of the dc zener current (IZT or IZK) is superimposed to IZT or IZK.

LL- 41
MELF



DIM	LL- 41 MELF			
	Millimeters		Inches	
	Min	Max	Min	Max
A	4.80	5.20	0.189	0.205
B	2.39	2.66	0.094	0.105
C	0.41	0.55	0.016	0.022

Notes:
1. All dimensions are within DO-213AB JEDEC standard.
2. LL-41 MELF polarity denoted by cathode band.

Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.

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