

LELON SMD Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

VLV 105°C SMD ANTI-VIBRATION SERIES

Specifications:

- Operating Temperature Range: 55°C to 105°C
- Voltage Range: 6.3V ~ 100V
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Endurance: 5000 hours @ 105°C

Features:

- 12.5 ~ 16φ, 105°C, 5,000 hours assured
- Suitable for automotive application
- Peak acceleration: 50G
- RoHS Compliance



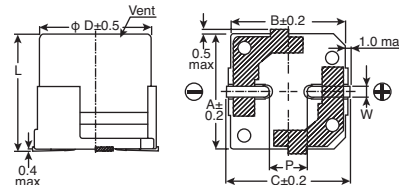
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (μF)	Case Size	Impedance (Ω) 100KHz, 20°C	Ripple Current	Price Each		
						1	100	500
6.3 Volts								
140-VLV222M0JTRG1313	VLV222M0JTRG1313	2200	12.5 x 13.5	.066	850	2.23	1.49	1.11
140-VLV332M0JTRG1316	VLV332M0JTRG1316	3300	12.5 x 16	.058	950	2.14	1.43	1.07
140-VLV472M0JTRG1616	VLV472M0JTRG1616	4700	16 x 16.5	.052	1300	2.77	1.85	1.38
10 Volts								
140-VLV152M1ATR1313	VLV152M1ATR1313	1500	12.5 x 13.5	.066	850	2.23	1.49	1.11
140-VLV222M1ATR1316	VLV222M1ATR1316	2200	12.5 x 16	.058	950	2.35	1.57	1.18
140-VLV332M1ATR1616	VLV332M1ATR1616	3300	16 x 16.5	.052	1300	2.77	1.85	1.39
140-VLV472M1ATR1616	VLV472M1ATR1616	4700	16 x 16.5	.052	1300	3.07	2.05	1.54
16 Volts								
140-VLV102M1CTR1313	VLV102M1CTR1313	1000	12.5 x 13.5	.066	850	2.24	1.49	1.12
140-VLV152M1CTR1316	VLV152M1CTR1316	1500	12.5 x 16	.058	950	2.38	1.59	1.19
140-VLV222M1CTR1616	VLV222M1CTR1616	2200	16 x 16.5	.052	1300	2.79	1.86	1.40
140-VLV332M1CTR1616	VLV332M1CTR1616	3300	16 x 16.5	.052	1300	3.10	2.06	1.55
25 Volts								
140-VLV681M1ETR1313	VLV681M1ETR1313	680	12.5 x 13.5	.066	850	2.30	1.53	1.15
140-VLV102M1ETR1316	VLV102M1ETR1316	1000	12.5 x 16	.058	950	2.47	1.65	1.23
140-VLV152M1ETR1616	VLV152M1ETR1616	1500	16 x 16.5	.052	1300	1.91	1.28	.96
140-VLV222M1ETR1616	VLV222M1ETR1616	2200	16 x 16.5	.052	1300	3.15	2.10	1.58
35 Volts								
140-VLV331M1VTR1313	VLV331M1VTR1313	330	12.5 x 13.5	.066	850	2.27	1.51	1.13
140-VLV471M1VTR1316	VLV471M1VTR1316	470	12.5 x 16	.058	950	2.41	1.60	1.20
140-VLV681M1VTR1616	VLV681M1VTR1616	680	12.5 x 16	.058	950	2.55	1.70	1.27
140-VLV102M1VTR1616	VLV102M1VTR1616	1000	16 x 16.5	.052	1300	2.99	2.00	1.50
50 Volts								
140-VLV331M1HTR1313	VLV331M1HTR1313	330	12.5 x 13.5	.110	700	2.21	1.47	1.11
140-VLV471M1HTR1616	VLV471M1HTR1616	470	16 x 16.5	.070	1100	2.88	1.92	1.44
140-VLV681M1HTR1616	VLV681M1HTR1616	680	16 x 16.5	.070	1100	3.08	2.05	1.54
63 Volts								
140-VLV151M1JTR1313	VLV151M1JTR1313	150	12.5 x 13.5	.140	700	2.28	1.52	1.14
140-VLV221M1JTR1313	VLV221M1JTR1313	220	12.5 x 13.5	.140	700	2.34	1.56	1.17
140-VLV331M1JTR1616	VLV331M1JTR1616	330	16 x 16.5	.080	900	2.88	1.92	1.44
140-VLV471M1JTR1616	VLV471M1JTR1616	470	16 x 16.5	.080	900	3.05	2.03	1.52
80 Volts								
140-VLV151M1KTR1313	VLV151M1KTR1313	150	12.5 x 13.5	.320	450	2.43	1.62	1.22
140-VLV221M1KTR1316	VLV221M1KTR1316	220	12.5 x 16	.260	550	2.65	1.76	1.32
140-VLV331M1KTR1616	VLV331M1KTR1616	330	16 x 16.5	.170	650	3.24	2.16	1.62
100 Volts								
140-VLV101M2ATR1313	VLV101M2ATR1313	100	12.5 x 13.5	.320	450	2.45	1.63	1.22
140-VLV151M2ATR1316	VLV151M2ATR1316	150	12.5 x 16	.260	550	2.70	1.80	1.35
140-VLV221M2ATR1616	VLV221M2ATR1616	220	16 x 16.5	.170	650	3.29	2.19	1.64

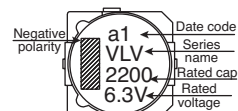
DIMENSIONS: mm

DIAGRAM OF DIMENSIONS



MARKING

φ D ≥ 12.5mm



φD	L	A	B	C	W	P ± 0.2
12.5	13.5 ± 0.5	13.0	13.4	15.4	1.1 ~ 1.4	4.4
12.5	16 ± 0.5	13.0	13.4	15.4	1.1 ~ 1.4	4.4
16	16.5 ± 0.5	16.5	16.9	18.9	1.1 ~ 1.4	6.4

VLW 125°C SMD ANTI-VIBRATION SERIES

Specifications:

- Operating Temperature Range: 40°C to 125°C
- Voltage Range: 10V ~ 50V
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Endurance: 2000 hours @ 125°C

Features:

- 12.5 ~ 16φ, 125°C, 2,000 hours assured
- Suitable for automotive application
- Peak acceleration: 50G
- RoHS Compliance



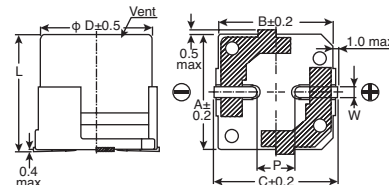
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (μF)	Case Size	Ripple Current	Price Each		
					1	100	500
10 Volts							
140-VLW471M1ATR1313	VLW471M1ATR1313	470	12.5 x 13.5	500	2.14	1.41	.72
140-VLW681M1ATR1313	VLW681M1ATR1313	680	12.5 x 13.5	500	2.15	1.42	.72
140-VLW102M1ATR1316	VLW102M1ATR1316	1000	12.5 x 16	600	2.24	1.48	.75
140-VLW152M1ATR1316	VLW152M1ATR1316	1500	12.5 x 16	600	2.30	1.52	.78
140-VLW222M1ATR1616	VLW222M1ATR1616	2200	16 x 16.5	680	2.73	1.80	.92
16 Volts							
140-VLW331M1CTR1313	VLW331M1CTR1313	330	12.5 x 13.5	500	2.14	1.41	.72
140-VLW471M1CTR1313	VLW471M1CTR1313	470	12.5 x 13.5	500	2.19	1.44	.74
140-VLW681M1CTR1313	VLW681M1CTR1313	680	12.5 x 13.5	500	2.24	1.48	.75
140-VLW102M1CTR1316	VLW102M1CTR1316	1000	12.5 x 16	600	2.40	1.59	.81
140-VLW152M1CTR1616	VLW152M1CTR1616	1500	16 x 16.5	680	2.89	1.91	.97
25 Volts							
140-VLW331M1ETR1313	VLW331M1ETR1313	330	12.5 x 13.5	500	2.14	1.42	.72
140-VLW471M1ETR1313	VLW471M1ETR1313	470	12.5 x 13.5	500	2.26	1.49	.76
140-VLW681M1ETR1316	VLW681M1ETR1316	680	12.5 x 16	600	2.43	1.60	.82
140-VLW102M1ETR1616	VLW102M1ETR1616	1000	16 x 16.5	680	2.94	1.94	.99
35 Volts							
140-VLW221M1VTR1313	VLW221M1VTR1313	220	12.5 x 13.5	380	2.19	1.45	.74
140-VLW331M1VTR1616	VLW331M1VTR1616	330	16 x 16.5	680	2.76	1.82	.93
140-VLW471M1VTR1616	VLW471M1VTR1616	470	16 x 16.5	680	2.81	1.85	.95
140-VLW681M1VTR1616	VLW681M1VTR1616	680	16 x 16.5	680	2.96	1.95	1.00
50 Volts							
140-VLW101M1HTR1313	VLW101M1HTR1313	100	12.5 x 13.5	380	2.03	1.03	.77
140-VLW221M1HTR1316	VLW221M1HTR1316	220	12.5 x 16	430	2.20	1.12	.84
140-VLW331M1HTR1616	VLW331M1HTR1616	330	16 x 16.5	680	2.69	1.36	1.03
140-VLW471M1HTR1616	VLW471M1HTR1616	470	16 x 16.5	680	2.80	1.42	1.07

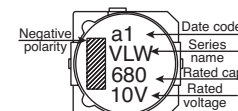
DIMENSIONS: mm

DIAGRAM OF DIMENSIONS



MARKING

φ D ≥ 12.5mm



φD	L	A	B	C	W	P ± 0.2
5	5.7 ± 0.3	5.3	5.3	6.1	0.5 ~ 0.8	1.5
6.3	5.7 ± 0.3	6.6	6.6	7.4	0.5 ~ 0.8	2.0
8	10 ± 0.5	8.4	8.4	9.2	0.7 ~ 1.1	3.1