

# High-Temp 125°C

# Electrolytic Capacitors



- **Screw Terminals**
- **Very Long Lifetime**
- **Compact design (C<sub>N</sub>/U<sub>N</sub>)**
- **High-Temp 125°C**
- **Low Inductance (ESL)**

**EFHA**

**EFVHA (with stud)**

### Features

- high-temp. 125°C
- polarized aluminium electrolytic capacitors, non-solid electrolyte
- pressure relief in the sealing
- all internal contacts welded

### Applications

- standard and switched mode power supplies
- computer
- telecommunications
- uninterruptible power supplies
- welding machinery and general industrial

Items		Characteristics
Rated capacitance range C <sub>R</sub>		3900 ... 150000µF
Capacitance tolerance		± 20%
Rated voltage range U <sub>R</sub>		16 ... 63 V
Surge voltage U <sub>S</sub>		U <sub>R</sub> ≤ 315 V: U <sub>S</sub> = 1,15 U <sub>R</sub> U <sub>R</sub> > 315 V: U <sub>S</sub> = 1,10 U <sub>R</sub>
Max. reverse voltage		- 2 V
Category temperature range		- 55°C ... + 125°C
Leakage current I <sub>L</sub> after 5 min @ U <sub>R</sub>		≤ 0,006 * C <sub>R</sub> [µF] * U <sub>R</sub> [V] + 6 µA [µA]
Useful life	2.000 h@ 125 °C ; U <sub>R</sub> ; I <sub>R-</sub>	Requirements Δ C/C ≤ 30 % of initial value ESR ≤ 300 % of specified limit I <sub>L</sub> ≤ specified limit
Endurance test	1.000 h@ 125 °C , U <sub>R</sub>	Requirements Δ C/C ≤ 20 % of initial value ESR ≤ 130 % of specified limit I <sub>L</sub> ≤ specified limit
Climatic category IEC 60068		55/125/56
Voltage proof of the external insulation		≥ 2500 V AC
Sectional specification		IEC 60384-4

### General specifications

**Leclanché Capacitors for Critical Applications and Extreme Environments.**

1400 Yverdon, Switzerland. Tel. +41 24 445 66 88 - Fax +41 24 445 66 89 capinfo@Lcap.ch www.Lcap.ch

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dimensions ( mm )	rated voltage ( V )			
	16	25	40	63
35 x 55	27.000	18.000	8.200	3.900
35 x 70	47.000	22.000	12.000	5.600
35 x 80	56.000	27.000	15.000	6.800
35 x 100	68.000	39.000	18.000	8.200
40 x 55	39.000	22.000	12.000	4.700
40 x 70	56.000	33.000	15.000	6.800
40 x 80	68.000	39.000	18.000	8.200
40 x 100	82.000	47.000	27.000	12.000
45 x 70	68.000	39.000	18.000	8.200
45 x 100	120.000	56.000	33.000	12.000
50 x 70	82.000	47.000	22.000	10.000
50 x 80	100.000	56.000	27.000	12.000
50 x 100	150.000	82.000	39.000	18.000

How to order

	Prod. Family	Voltage	Capacitance	Diameter	Length
	EFHA/EFVHA	16VDC	47000µF	40mm	55mm
<b>Order-code</b>	<b>EFVHA</b>	<b>16</b>	<b>47000</b>	<b>40</b>	<b>055</b>

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