Aluminum Electrolytic Capacitors

Axial based Elefantino

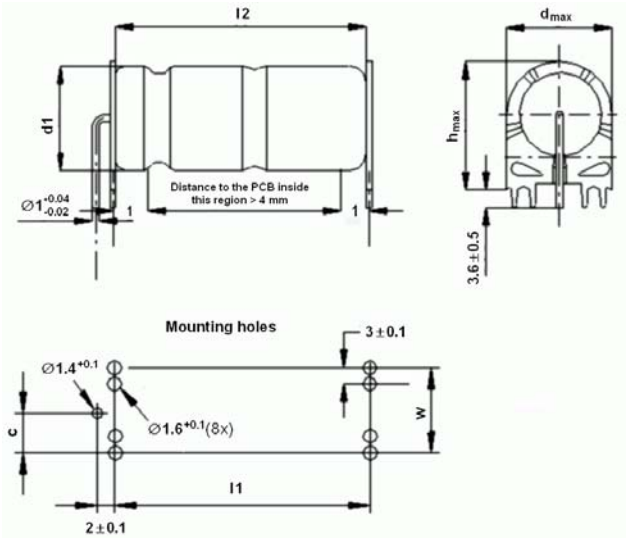
Series/Type:	**B41793**
Ordering code:	**B41793-S9687-Q001**
Date:	Sept. 3, 2010
Version:	1

Preliminary data

125 °C / 3000 h

- Long useful life
- Low ESR, high ripple current capability

Preliminary part no.: **B41793-S9687-Q001**
Development code: B41793X007Q425
Customer: FAW



Dimensions (mm)

Case d x l	Insulation	Terminals
18 x 39	without	Elefantino, high profil

l1±0.4	d1±0.2	h max	d max	l2±0.3	c	w±0.1
39,35	18.0	23.0	18.7	38.7	7.5	15

Technical data

Rated capacitance	C_R	100 Hz, 20 °C	680 µF	
Capacitance tolerance			–10/+30%	
Rated voltage	V_R		100 V	
Surge voltage	V_S		115 V	
Operating temperature range			–55 / +125 °C	
Maximum leakage current	I_{leak}	5 min, 20 °C	0.40 mA	
Typical ESR	ESR_{typ}	100 Hz, 20 °C	115 mΩ	
Maximum ESR	ESR_{max}	100 Hz, 20 °C	165 mΩ	
Maximum ESR	ESR_{max}	100 Hz, -40 °C	950 mΩ	
Maximum ESR	ESR_{max}	10 kHz, 20 °C	100 mΩ	
Maximum impedance	Z_{max}	100 kHz, 20 °C	95 mΩ	
Rated ripple current	$I_{AC,R}$	10 kHz, 125 °C	3.5 A	
Maximum ripple current	$I_{AC,max}$	10 kHz, 125 °C	5.1 A	
Maximum ripple current	$I_{AC,max}$	10 kHz, 105 °C	6.3 A	
Voltage endurance test	125 °C, V_R		2000 h	*After test:* |ΔC/C| ≤ 10% of initial value ESR ≤ 1.3 x initial spec. limit I_{leak} ≤ initial spec. limit
Useful life	125 °C, V_R, $I_{AC,R}$		3000 h	*After test:* |ΔC/C| ≤ 30% of initial value ESR ≤ 3 x initial spec. limit I_{leak} ≤ initial spec. limit
Other specifications	IEC 60384-4, CECC 30301-802, Data Book 2009, RoHS-compatible			

Cautions and warnings: see Data Book 2009 or www.epcos.com

KO A D&A Sept. 3, 2010

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