



Hybrid Polymer Aluminum Electrolytic Capacitors

SMD capacitors

Series/Type:	B40900
Ordering code:	B40900A7227M000
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B40900A7227M000

SMD capacitors

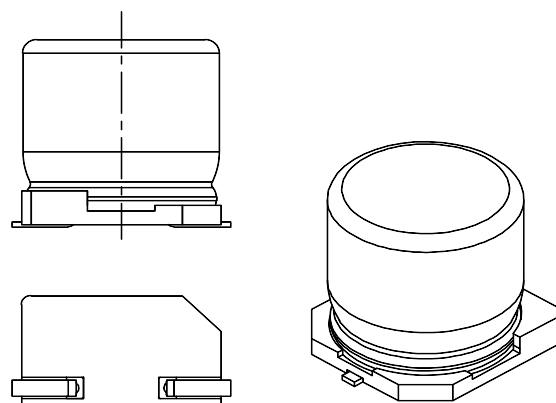
B40900

125 °C / 4000 h

- Very high ripple current
- Low ESR across temperature range

Dimensions (mm)

Case d x l	Insulation	Terminals
10 x 10.2	Coated can	SMD standard Sn plating



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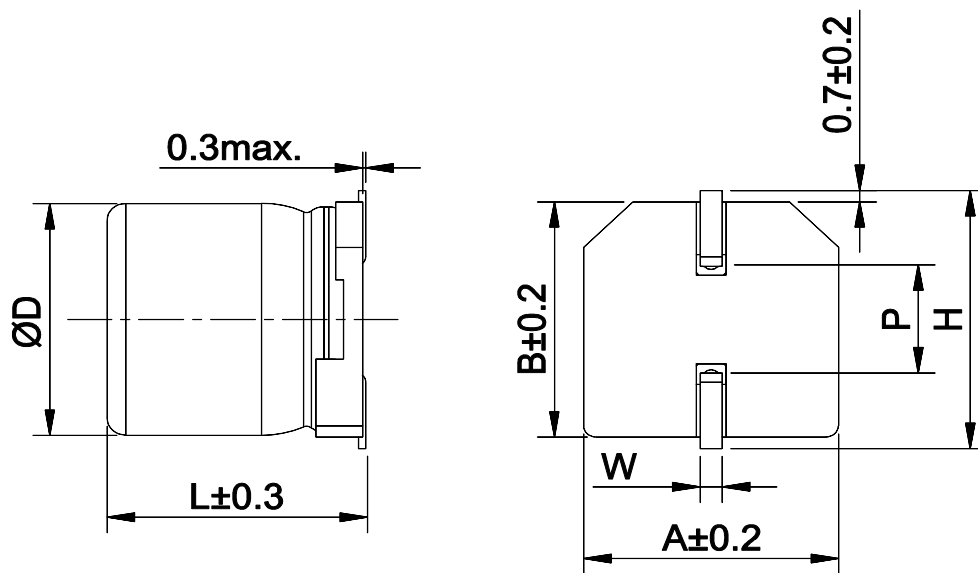
Technical data

Rated capacitance	C_R	120 Hz, 20 °C	270 μ F	
Capacitance tolerance			$\pm 20\%$	
Rated voltage	V_R		35 V	
Surge voltage	V_S	$T_{amb} = 125\text{ °C}$	40.2 V	1000 cycles acc. IEC 60384-4
Operating temperature range			-40 / +125 °C	
IEC climatic temperature			40/125/56	
Maximum leakage current	I_{leak}	2 min, 20 °C	94 μ A	
Maximum tan δ	$\tan \delta_{max}$	120 Hz, 20 °C	0.12	
Maximum ESR	ESR_{max}	100 kHz, 20 °C	20 m Ω	
Rated ripple current	$I_{AC,R}$	100 kHz, $T_{amb} = 125\text{ °C}$	2.8 A	

Voltage endurance test	125 °C, V_R	1000 h	After test: $ \Delta C/C \leq 15\%$ of initial value $\tan \delta \leq 1.5 \times$ initial spec. limit $I_{leak} \leq$ initial spec. limit
Useful life	125 °C, V_R , $I_{AC,R}$	4000 h	After test: $ \Delta C/C \leq 30\%$ of initial value $ESR \leq 2 \times$ initial spec. limit ¹⁾ $I_{leak} \leq$ initial spec. limit
Other specifications	Data Book 2019, RoHS-compatible		
Reference standard	AEC-Q200 (under qualification)		
Remarks	Taped on reel (plastic reel) ¹⁾ ESR_{max} at 100 kHz, 20 °C		

Cautions and warnings: see Data Book 2019 or www.tdk-electronics.tdk.com

Detail drawing (mm):



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D ±0.5	L	A	B	H _{max}	W ±0.2	P *
10.0	10.2	10.3	10.3	12.0	0.9	4.6

* Reference value

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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331