

Hybrid Polymer Aluminum Electrolytic Capacitors

SMD capacitors

Series/Type: B40900

Ordering code: B40900A7227M000

Date: June 05, 2019

Version:

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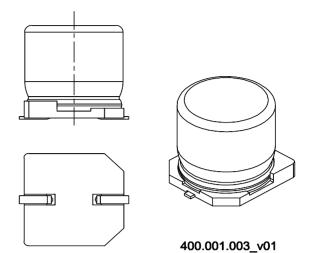
Hybrid Polymer Aluminum Electrolytic Capacitors

B40900A7227M000

SMD capacitors B40900

125 °C / 4000 h

- Very high ripple current
- Low ESR across temperature range



Dimensions (mm)

Case d x I	Insulation	Terminals	
10 x 10.2	Coated can	SMD standard	
	Coaled Carl	Sn plating	

Technical data

Rated capacitance	C _R	120 Hz, 20 °C	270 μF					
Capacitance tolerance			± 20%					
Rated voltage	V _R		35 V					
Surge voltage	V _S T _{amb} = 125 °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 μΑ					
Maximum tan δ	$tan \; \delta_{max}$	120 Hz, 20 °C	0.12					
Maximum ESR	ESR _{max}	100 kHz, 20 °C	20 mΩ					
Rated ripple current	I _{AC,R}	100 kHz, T _{amb} = 125 °C	2.8 A					
Voltage endurance test	125 °C, V _R		1000 h	After test:	$ \Delta C/C \le 15\%$ of initial value tan $\delta \le 1.5$ x initial spec. limit $I_{leak} \le$ initial spec. limit			
Useful life	125 °C, V _R , I _{AC,R}		4000 h	After test:	$ \Delta C/C \le 30\%$ of initial value ESR ≤ 2 x initial spec. limit ¹⁾ $I_{leak} \le initial$ spec. limit			
Other specifications	Data Book 2019, RoHS-compatible							
Reference standard	AEC-Q200 (under qualification)							
Remarks	Taped on reel (plastic reel)							
	1) ESR _{max}	¹⁾ ESR _{max} at 100 kHz, 20 °C						

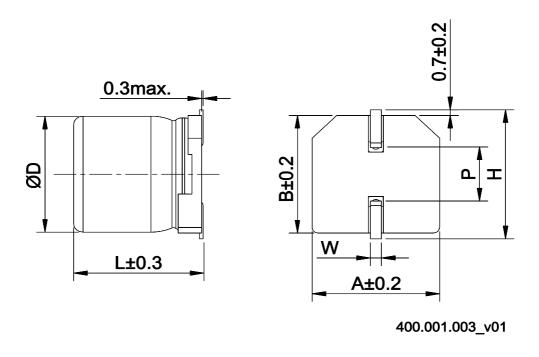
Cautions and warnings: see Data Book 2019 or www.tdk-electronics.tdk.com

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Detail drawing (mm):



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

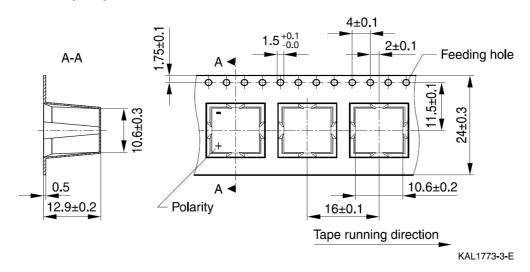
^{*} Reference value

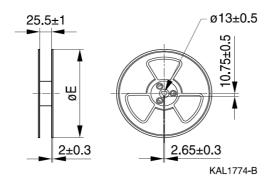
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Package details (mm):





E	
381 mm	Ī

Parts per reel: 500 parts Reels per box: 5 reels

Box dimensions: 400 mm x 405 mm x 230 mm

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