



Polymer Chip Capacitor

TOPcap – Multiple Anode

Series/Type: B763

Date: June 2005
Version: 1





The following applies to all products named in this publication:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule, EPCOS is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an EPCOS product with the properties described in the product specification is suitable for use in a particular customer application.
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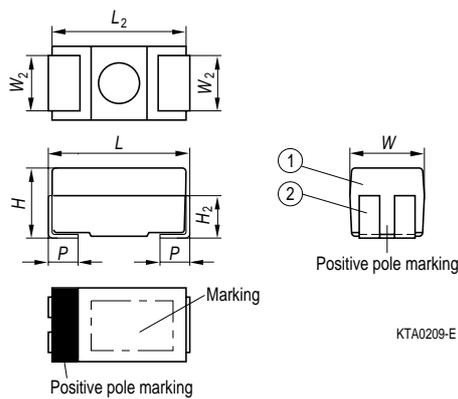
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Features

- Ultra low ESR: $ESR_{max} = 10 \text{ m}\Omega \dots 18 \text{ m}\Omega$
- Ripple current up to 5.2 A_{RMS} at $20 \text{ }^\circ\text{C}$, 100 kHz
- Operating voltage 4 V ... 10 V
- Capacitance $330 \text{ }\mu\text{F} \dots 1000 \text{ }\mu\text{F} (\pm 20\%)$
- Only 20% derating necessary
- Lead-free & RoHS compatible
- Temperature range: $-55 \text{ }^\circ\text{C} \dots 105 \text{ }^\circ\text{C}$
- No ignition failure mode
- 100% surge current tested

Dimensional drawing



- ① Encapsulation: molded epoxy resin
- ② NiFe; tinned surface Sn100

Case size		Dimensions in mm (inches)						
EPCOS	EIA/IECQ	L	W	H	L_2 typ.	$W_2 \pm 0.1$ $\pm (.004)$	H_2 typ.	$P \pm 0.3$ $\pm (.012)$
E	7343-43	7.3 ± 0.3 $(.287 \pm 0.012)$	4.3 ± 0.3 $(.169 \pm 0.012)$	4.0 ± 0.3 $(.157 \pm .012)$	7.1 (.280)	2.4 (.094)	1.6 (.062)	1.3 (.051)

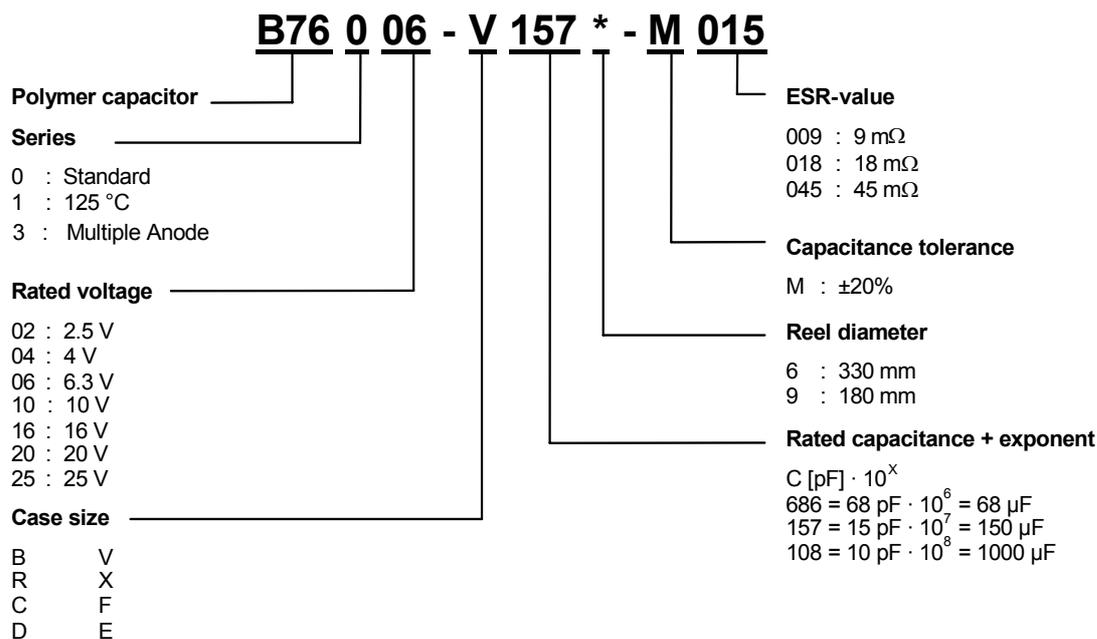


Polymer chip capacitors

B763

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Ordering code structure



Part number reference

Rated voltage V_R up to 85 °C VDC	Rated capacitance C_R μF	Case size	EIA code	DF_{max} (20 °C, 120 Hz) %	Leakage current $I_{leak, max}$ (20 °C, V_R , 5 min) μA	$ESR_{max}^{1)}$ (20 °C, 100 kHz) μΩ	Ripple current			Ordering code
							I_{ACmax} (100 kHz) A_{RMS} 20 °C	85 °C	105 °C	
4 (3.2)	680	E	7343-43	10	272	18	3.9	3.5	1.6	B76304E6879M018
	680	E	7343-43	10	272	12	4.7	4.3	1.9	B76304E6879M012
	680	E	7343-43	10	272	10	5.2	4.7	2.1	B76304E6879M010
	680	E	7343-43	10	272	15	4.2	3.8	1.7	B76304E6879M015
	1000	E	7343-43	10	400	18	3.9	3.5	1.6	B76304E1089M018
	1000	E	7343-43	10	400	10	5.2	4.7	2.1	B76304E1089M010
	1000	E	7343-43	10	400	12	4.7	4.3	1.9	B76304E1089M012
	1000	E	7343-43	10	400	15	4.2	3.8	1.7	B76304E1089M015
6.3 (5.0)	470	E	7343-43	10	296	18	3.9	3.5	1.6	B76306E4779M018
	470	E	7343-43	10	296	12	4.7	4.3	1.9	B76306E4779M012
	470	E	7343-43	10	296	15	4.3	3.8	1.7	B76306E4779M015
	470	E	7343-43	10	296	10	5.2	4.7	2.1	B76306E4779M010
	680	E	7343-43	10	428	18	3.9	3.5	1.6	B76306E6879M018
	680	E	7343-43	10	428	15	4.2	3.8	1.7	B76306E6879M015
	680	E	7343-43	10	428	12	4.7	4.3	1.9	B76306E6879M012
	680	E	7343-43	10	428	10	5.2	4.7	2.1	B76306E6879M010
10 (8.0)	330	E	7343-43	10	330	10	5.2	4.7	2.1	B76310E3379M010

¹⁾ other values upon request



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