

Tantalum Polymer Chip Capacitor

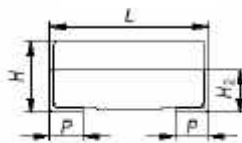
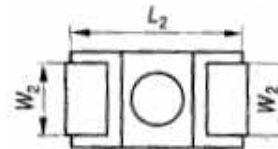
- Extremely low ESR: 45mW
- High permissible ripple current: 1700 mArms @100kHz, +20°C to +105°C
- High ESR stability during temperature rise

Features:

- Operating voltage U_r : 2.5V – 10V
- Temperature range: -55°C – 105°C
- Capacitance range: 100 μ F – 470 μ F
- ESR_{max} : 35m Ω ...80m Ω

Outline Drawing:

End

Side

Bottom


Dimensions:

Case size		Dimensions in mm (inches)						
EPCOS	EIA/IECQ	L	W	H	L ₂ typ.	W ₂ ± 0.1 ± (.004)	H ₂ typ.	P ± 0.3 ± (.012)
V	7343L	7.3 ± 0.3 (.236 ± 0.012)	4.3 ± 0.3 (.169 ± 0.012)	1.9 ± 0.1 (.075 ± 0.004)	7.1 (.280)	2.4 (.094)	1.6 (.062)	1.3 (.051)
D	7343	7.3 ± 0.3 (.236 ± 0.012)	4.3 ± 0.3 (.169 ± 0.012)	2.8 ± 0.3 (.110 ± .012)	7.1 (.280)	2.4 (.094)	1.6 (.062)	1.3 (.051)
E	7343H	7.3 ± 0.3 (.236 ± 0.012)	4.3 ± 0.3 (.169 ± 0.012)	4.1 ± 0.3 (.157 ± .012)	7.1 (.280)	2.4 (.094)	1.6 (.062)	1.3 (.051)

Part Number Reference:

Part Number	C _R in μ F	Rated Voltage U _R in VDC up to +85°C (+105°C)	Dissipation factor in % @ 20°C, 120Hz	Leakage Current in mA, max. 20°C, U _R , 5 min	ESR in mW, max. 20°C, 100 kHz	Case size
B45294-R9227-M40*	220	2.5 (2)	10	55	£ 45	V
B45294-R9227-M41*	220	2.5 (2)	10	55	£ 35	V
B45294-R0227-M40*	220	4 (3.2)	10	88	£ 45	V
B45294-R0227-M41*	220	4 (3.2)	10	88	£ 35	V
B45294-R1107-M40*	100	6.3 (5)	10	63	£ 45	V
B45294-R1157-M40*	150	6.3 (5)	10	95	£ 45	V
B45294-R1157-M41*	150	6.3 (5)	10	95	£ 35	V
B45294-R1227-M40*	220	6.3 (5)	10	139	£ 45	V
B45294-R2107-M40*	100	10 (8)	10	100	£ 80	V
B45294-R2107-M41*	100	10 (8)	10	100	£ 55	V

Grey: Under development

*code number for reel diameter: 9 = 180 mm; 6 = 330 mm



Tantalum Chip Capacitors

B45294/B45296

Polymer; Ultra-Low ESR

Part Number Reference:

Part Number	C _R in µF	Rated Voltage U _R in VDC up to +85°C (+105°C)	Dissipation factor in % @ 20°C, 120Hz	Leakage Current in mA, max. 20°C, U _R , 5 min	ESR in mW, max. 20°C, 100 kHz	Case size
B45296-R9227-M40*	220	2.5 (2)	10	55	£ 55	D
B45296-R9227-M41*	220	2.5 (2)	10	55	£ 45	D
B45296-R0227-M40*	220	4 (3.2)	10	88	£ 55	D
B45296-R0227-M41*	220	4 (3.2)	10	88	£ 45	D
B45296-R0337-M40*	330	4 (3.2)	10	132	£ 55	D
B45296-R0337-M41*	330	4 (3.2)	10	132	£ 45	D
B45296-R0337-M50*	330	4 (3.2)	10	132	£ 40	E
B45296-R0337-M51*	330	4 (3.2)	10	132	£ 35	E
B45296-R0477-M40*	470	4 (3.2)	10	188	£ 55	D
B45296-R0477-M41*	470	4 (3.2)	10	188	£ 40	D
B45296-R1157-M40*	150	6.3 (5)	10	95	£ 55	D
B45296-R1157-M41*	150	6.3 (5)	10	95	£ 45	D
B45296-R1227-M40*	220	6.3 (5)	10	139	£ 50	D
B45296-R1227-M41*	220	6.3 (5)	10	139	£ 40	D
B45296-R1337-M40*	330	6.3 (5)	10	208	£ 45	D
B45296-R1337-M41*	330	6.3 (5)	10	208	£ 40	D
B45296-R1337-M50*	330	6.3 (5)	10	208	£ 40	E
B45296-R1337-M51*	330	6.3 (5)	10	208	£ 35	E
B45296-R1477-M50*	470	6.3 (5)	10	296	£ 40	E
B45296-R1477-M51*	470	6.3 (5)	10	296	£ 35	E
B45296-R2107-M40*	100	10 (8)	10	100	£ 80	D
B45296-R2107-M41*	100	10 (8)	10	100	£ 55	D

Grey: Under development

*code number for reel diameter: 9 = 180 mm; 6 = 330 mm

© EPCOS AG 2002. All Rights Reserved. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited. The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.