

K52-26

TANTALUM WET-SLUG CAPACITOR

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AZHYAR.673543.012 TU

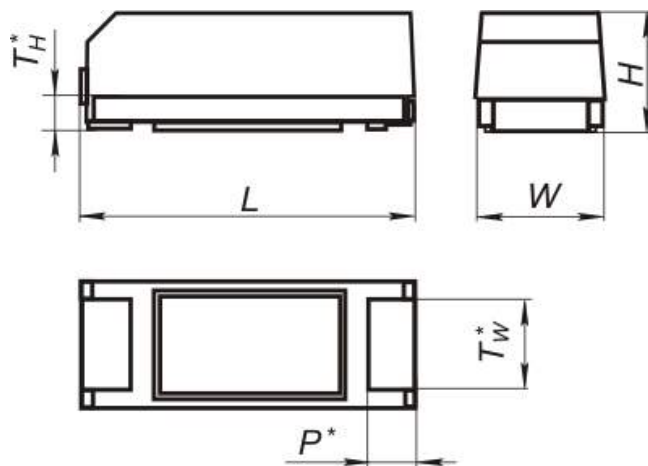
Polar SMD capacitors designed for operation in DC, pulse current circuits and in pulse mode. Capacitors are manufactured in all-climate version.



MAIN PARAMETERS

Name	Value
Rated voltage, V	6.3...125
Rated capacitance, μF	1.5...4 700
Capacitance tolerance (20 °C, 50 Hz), %	± 10 ; +20; ± 30
Maximum operating temperature T_{env} , °C	+125
Minimal operating temperature T_{env} , °C	-60

CAPASITOR PHYSICAL CONFIGURATION



CAPACITOR ELECTRIC PARAMETERS VALUE AND DIMENSION CODE

U _R , V	C _R , μF	Case code	tg δ, %, 25 °C, 50 Hz	I _{LEAK} , μA, 20 °C	Z, Ohm, 25 °C	ESR, Ohm, 25 °C, 100kHz
6.3	1 000	A	35	26	2	0.3
6.3	2 200	B	45	56	2	0.25
6.3	4 700	C	140	117	3	0.25
10	680	A	35	28	2	0.35
10	1 500	B	45	60	2	0.25
10	3 300	C	140	130	3	0.2
16	470	A	25	31	2	0.4
16	1 000	B	35	64	2	0.3
16	2 200	C	45	139	3	0.25
25	330	A	25	34	2	0.5
25	680	B	35	68	2	0.4
25	1 500	C	45	139	2	0.25
32	220	A	20	34	2	0.5
32	470	B	25	68	2	0.35
32	1 000	C	35	148	4	0.25
50	150	A	20	31	2	0.55
50	330	B	25	66	2	0.45
50	680	C	35	134	2	0.3
63	100	A	15	26	3	0.55
63	220	B	20	56	3	0.45
63	470	C	25	117	3	0.35
100	15	A	8	6	2.5	1.3
100	33	B	8	10	2.1	1.0
100	68	C	14	28	1.8	0.7
125	1.5	A	8	2	30	5.0
125	2.2	A	8	2	30	3.5
125	3.3	A	8	3	20	2.5
125	4.7	A	8	3	15	2.0
125	10	B	6	5	15	1.8
125	22	C	7	9	5	1.0

CAPACITORS OVERALL DIMENSIONS AND MASS

Case code	L, mm	W, mm	H, mm	P*, mm	T _W *, mm	T _H *, mm	Mass, g, max
A	26.0±0.3	7.0±0.3	6.5±0.3	5.0	5.0±0.3	2.0	4.5
B	28.0±0.3	8.2±0.3	7.7±0.3	5.0	6.2±0.3	2.0	8.5
C	30.0±0.3	9.7±0.3	9.2±0.3	5.0	7.7±0.3	2.0	13.0

* Parameter is not subject to inspection

CAPACITORS RELIABILITY

Reliability Operation modes	Minimal nonfailure operating time, t _λ , hours
Maximum-permissible mode (U _R , Tenv=85°C)	10 000
Maximum-permissible mode (0.7U _R , Tenv=125°C)	2 000
Light mode and operating conditions (0.6U _R , Tenv=60°C)	150 000
Storageability Gamma-rated time of capacitor storageability Tcy at γ=97.5%, years, min	30

EXAMPLE OF REFERENCE DESIGNATION FOR ORDERING

CAPACITOR K52-26 "B" – 100V – 68 μF ±10% AZHYAR.673543.012 TU