

VACSIC 150

1 500 h / 150°C

16 V ... 450 V	6.8 μ F ... 3 300 μ F	\emptyset 12 mm ... \emptyset 16 mm	- 55°C + 150°C	Long life time
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APPLICATIONS

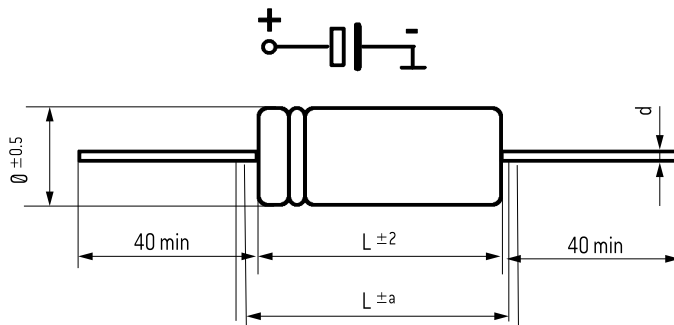
- Coupling / decoupling
- Smoothing
- Energy storage
- High frequency power supply system
- Telecommunication - Military applications
- Mobile and aircraft installations
- Rated voltage 450 V is specially fit to lamp electronic ballast circuits.

Insulating aluminum case

Axial tin coated copper leads

Welded chain providing perfect continuity of the circuit.

Tolerance on capacitance at 20°C	: - 10 + 50%
(on request)	: - 10 + 30%
Operating temperature	: - 55°C + 150°C



\emptyset (mm)	d	a
12 - 16	0,8	4

RESISTANCE TO VIBRATIONS

Hb (mm)	Standard
(Hz)	10 - 2000 Hz
Amplitude	1.5 mm
Acceleration	45 g
t (h)	3 x 2 h

SPECIFICATIONS

NFC 83 110 - Long life

CECC 30 301-802 Issue 2

IEC 60 384.4 long life

Climatic category GPF: -55°C + 150°C / 56 days

Standard endurance test at U_R : 2000 h 145°C

WITHSTAND STRENGTH OF INSULATING SLEEVE

Insulating resistance at 20°C between

leads and mounting hardware : 100 M Ω

Test voltage at 50 Hz 1 min. between

leads and mounting hardware : 1000 V

Fire resistance

: self extinguish 30 s
(IEC 60 695-2-2) without PVC.

VACSIK 150

1 500 h / 150°C

Capacitance (μF)	Case		Tg δ max. (%)	ESR 100 Hz Typic (Ω)	Z 10 kHz +20°C max. (Ω)	I. leak +20°C 5 min. max. (mA)	I \sim 100 Hz +150°C (A)	Code
	\emptyset (mm)	L (mm)						
Rated voltage: 16 V								
1500	12	30	15	0.12	0.15	72	1	A774000
2200	14	30	15	0.08	0.10	106	1.33	A774001
3300	16	30	15	0.05	0.07	158	1.7	A774002
Rated voltage: 25 V								
800	12	30	13	0.19	0.25	60	0.79	A774020
1200	14	30	13	0.13	0.17	90	1.05	A774021
1800	16	30	13	0.08	0.11	135	1.4	A774022
Rated voltage: 40 V								
470	12	30	10	0.26	0.33	56	0.69	A774040
800	14	30	10	0.15	0.19	96	0.98	A774041
1200	16	30	10	0.10	0.13	144	1.3	A774042
Rated voltage: 63 V								
220	12	30	8	0.44	0.57	42	0.53	A774060
470	14	30	8	0.20	0.27	89	0.84	A774061
680	16	30	8	0.14	0.18	129	1.1	A774062
Rated voltage: 100 V								
100	12	30	10	1.22	1.59	30	0.32	A774080
150	14	30	10	0.82	1.06	45	0.42	A774081
220	16	30	10	0.56	0.72	66	0.6	A774082
Rated voltage: 160 V								
33	12	30	8	2.97	3.85	32	0.2	A774100
47	14	30	8	2.08	2.70	45	0.26	A774101
68	16	30	8	1.44	1.87	65	0.3	A774102
Rated voltage: 250 V								
15	12	30	8	6.53	8.48	23	0.13	A774120
22	14	30	8	4.45	5.78	33	0.26	A774121
33	16	30	8	2.97	3.85	50	0.3	A774122
Rated voltage: 450 V								
6.8	12	30	8	14.40	18.72	18	0.09	A774140
15	14	30	8	6.53	8.48	41	0.15	A774141
20	16	30	8	4.90	6.36	54	0.2	A774142

PEAK VOLTAGE (V)

 U_R : rated voltage U_p : Repetitive standard peak voltage (30 s) U_s : Repetitive surge voltage (0,1 s)

Do not overstep this value without damage.

EXPECTED LIFE

as a function of temperature and ripple current

U_R	16 V	25 V	40 V	63 V	100 V	160 V	250 V	450 V
U_p	18	29	46	72	115	184	288	495
U_s						235	340	620

PERMISSIBLE RIPPLE CURRENT I (R.M.S. VALUE)

versus frequency f : I_{\sim} : permissible r.m.s. current at 100 Hz

f (Hz)	50	100	300	600	1 000	10 000	$\geq 50 000$
I	$0,8 \times I_{\sim}$	I_{\sim}	$1,2 \times I_{\sim}$	$1,3 \times I_{\sim}$	$1,35 \times I_{\sim}$	$1,5 \times I_{\sim}$	$1,6 \times I_{\sim}$

