

10 V ... 350 V	15 $\mu$ F ... 4 700 $\mu$ F	$\varnothing$ 12 mm ... $\varnothing$ 16 mm	- 55°C + 105°C	Long life time
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### APPLICATIONS

- Coupling / decoupling
- Filtering
- Switch mode power supplies
- Circuits with time constant
- Circuits with impulse current

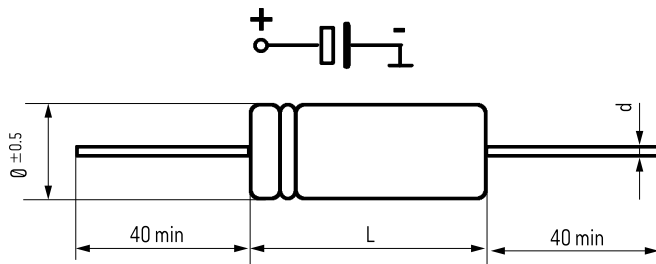
Insulating aluminum case

Axial tin coated copper leads

Welded chain providing perfect continuity of the circuit

Tolerance on capacitance at 20°C : - 10 + 50 %

Operating temperature : - 55°C + 105°C



$\varnothing$ (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

DIN 41 240 - Climatic category GPF: -55°C + 105°C / 56 days

IEC 60 384.4 - Long life

Standard endurance test  $U_R$ : 5000 h / 85°C

### WITHSTAND STRENGTH OF INSULATING SLEEVE

Insulation resistance at 20°C between

leads and mounting hardware : 100 M $\Omega$

Test voltage at 50 Hz 1 min. between

terminals and mounting hardware : 1 000 V

Fire resistance

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

2 500 h / 105°C

Capacitance ( $\mu\text{F}$ )	Case		$T_g \delta$ 100 Hz +20°C max (%)	ESR 100 Hz +20°C typic ( $\Omega$ )	Z +20°C max. ( $\Omega$ )	I. leak +20°C. 5 min. max. (mA)	I ~ 100 Hz +105°C (A)	Code
	$\emptyset$ (mm)	L (mm)						
Rated voltage: 10 V								
2200	12	30	17	0.061	0.062	135	1.42	A775000
3300	14	30	17	0.041	0.041	200	1.9	A775001
4700	16	30	17	0.029	0.029	280	2.4	A775002
Rated voltage: 16 V								
2200	12	30	15	0.054	0.055	210	1.52	A775020
3300	14	30	15	0.036	0.036	310	2.02	A775021
4700	16	30	15	0.025	0.025	450	2.6	A775022
Rated voltage: 25 V								
1000	12	30	10	0.080	0.081	150	1.25	A775040
2200	14	30	10	0.036	0.037	330	2	A775041
2700	16	30	10	0.029	0.030	405	2.4	A775042
Rated voltage: 40 V								
470	12	30	10	0.169	0.172	110	0.86	A775060
1000	14	30	10	0.080	0.081	240	1.35	A775061
1200	16	30	10	0.066	0.067	280	1.6	A775062
Rated voltage: 63 V								
330	12	30	8	0.193	0.199	120	0.8	A775080
600	14	30	8	0.106	0.109	220	1.18	A775081
800	16	30	8	0.080	0.082	300	1.5	A775082
Rated voltage: 100 V								
150	12	30	7	0.37	0.386	90	0.58	A775100
220	14	30	7	0.25	0.263	130	0.77	A775101
330	16	30	7	0.17	0.175	200	1	A775102
Rated voltage: 160 V								
33	12	30	7	1.69	1.755	30	0.27	A775120
68	14	30	7	0.82	0.852	65	0.42	A775121
75	16	30	7	0.74	0.772	72	0.5	A775122
Rated voltage: 250 V								
22	12	30	6	2.17	2.287	33	0.24	A775140
47	14	30	6	1.02	1.070	70	0.38	A775141
60	16	30	6	0.80	0.838	90	0.5	A775142
Rated voltage: 350 V								
15	12	30	6	3.18	3.355	30	0.2	A775160
22	14	30	6	2.17	2.287	46	0.26	A775161
33	16	30	6	1.45	1.525	69	0.3	A775162

## EXPECTED LIFE

as a function of temperature and ripple current

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

versus frequency f :

I ~ : permissible r.m.s. current at 100 Hz

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

