

Description

Low impedance
 Low ESR
 Wide frequency range

Applications

Hi-End electronics
 Consumer electronics
 Industrial electronics

Electrical characteristics



Operating temperature: $-25^{\circ}\text{C} \div 70^{\circ}\text{C}$
 Rated voltage: 500VDC
 Rated capacitance: $20\mu\text{F} \div 100\mu\text{F}$
 Capacitance tolerance (at 100Hz, 20°C): $-10\% +30\%$
 Dissipation factor (at 100Hz, 20°C): 0,18
 Leakage current (after 5 minutes application of rated voltage): $I = 0,005.C.U$
 I - current [μA]
 C - rated capacitance [μF]
 U - rated voltage [V]

The aluminum case capacitors are supplied with PVC sleeve insulation and a safety vent located on end-deck.Plus pole is marked on the perimeter.

Load life:

Load life is 1000 hours (at maximum operating temperature, at rated voltage and AC current load as per Table 1).

After 1000 hours of the above application of rated voltage and current load, capacitors must meet the following characteristics requirements:

- Capacitance change $\leq \pm 15\%$ of initial value
- Tan $\delta \leq 150\%$ of initial value
- Leakage current \leq initial value

AC Load:

The maximum AC load at maximum operating temperature (70°C) is given in Table 1. The AC load can be increased at lower operating temperatures by coefficient as per Table 2, with capacitor life expectancy unaffected.

01 table

Type Number	Rated Capacitance C_N [μF]	Rated Voltage U_N [V]	Dimensions [D x L mm]	max.tan δ at 100Hz, 20°C	lac [mA]	Drawing Number
ANH 0205011	20	500	25x42	0,18	80	1
ANH 0305011	30	500	25x42	0,18	100	1
ANH 0475011	47	500	25x42	0,18	160	1
ANH 0805011	80	500	25x42	0,18	240	1
ANH 1005011	100	500	25x42	0,18	300	1

02 table

Coefficient for permissible lac increase	2,3	2,0	1,7	1,53	1,3	1,15	1,0
Operating temperature	$\leq 40^{\circ}\text{C}$	45°C	50°C	55°C	60°C	65°C	70°C

