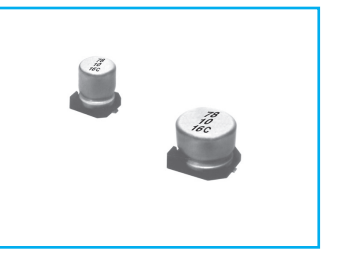
CN 105˚C Non-polarized Series

Non-polarized Solvent Proof



- Chip type, Non-polarized, Wide temperature 105˚C
- Chip type with 5.5mmL height
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape
- Complied to the RoHS directive

NC ⇒ CN
Wide temp.

Item	Characteristics
Operating temperature range	WV≦25 : -55 ~ +105˚C WV≧35 : -40 ~ +105˚C
Leakage current max.	I = 0.05CV or 10μA whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20˚C
Dissipation factor max. (at 120Hz, 20˚C)	WV 6.3 10 16 25 35 50 tanδ 0.32 0.26 0.24 0.20 0.18 0.18
Low temperature characteristics (Impedance ratio at 120Hz)	WV 6.3 10 16 25 35 50 Z-25˚C/Z+20˚C 4 3 2 2 2 2 Z-40˚C/Z+20˚C - - - - 4 4 Z-55˚C/Z+20˚C 8 5 4 3 - -
Load life (after application of the rated voltage for 1000 hours at 105˚C)	Leakage current: Less than specified value Capacitance change: Within ±20% of initial value tanδ: Less than 200% of specified value Test method: Polarity reverse each 250 hours
Shelf life (at 105˚C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20˚C by the KS C IEC 60384 - 4
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20˚C after exposing them at 250˚C for 10 seconds. Leakage current: Less than specified value Capacitance change: Within ±10% of initial value tanδ: Less than specified value

● DRAWING (See page 85)

-Series code of CN is “C”

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	6.3		10		16		25		35		50	
1.0											4×5.3	8.4
2.2									4×5.3	8.4	5×5.3	13
3.3							5×5.3	12	5×5.3	16	5×5.3	17
4.7					4×5.3	12	5×5.3	16	5×5.3	18	6.3×5.3	20
10			4×5.3	17	5×5.3	23	6.3×5.3	27	6.3×5.3	29		
22	5×5.3	28	6.3×5.3	33	6.3×5.3	37						
33	6.3×5.3	37	6.3×5.3	41	6.3×5.3	49						
47	6.3×5.3	45										

Ripple current (mA rms) at 105˚C, 120Hz
Case size ØD×L (mm)