

Interference suppression film capacitors

MKT-P 330 4

MKT-P RADIAL POTTED TYPE

PITCH 15/22.5/27.5 mm

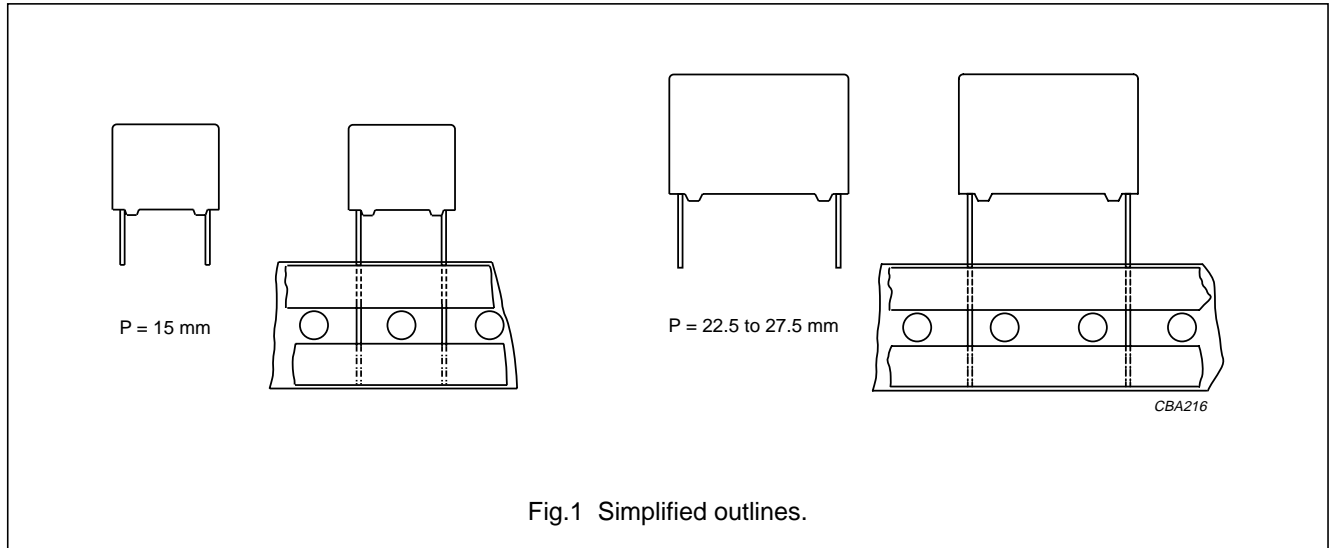


Fig.1 Simplified outlines.

FEATURES

- 15 to 27.5 mm lead pitch
- Supplied loose in box and taped on reel
- Consists of a low-inductive wound cell of metallized polyester film and blank paper, potted in a flame-retardant case.

APPLICATIONS

- For X2 electromagnetic interference suppression.

DETAIL SPECIFICATION

For more detailed data and test requirements see "Type detail specification HQN-384-14/105".




QUICK REFERENCE DATA

DESCRIPTION	VALUE
Capacitance range (E6 series)	0.01 to 1 μ F
Capacitance tolerance	$\pm 20\%$; $\pm 10\%$
Rated (AC) voltage, 50 to 60 Hz	250 V
Rated (DC) voltage	630 V
Climatic category	40/085/21
Rated temperature	85 °C
Maximum application temperature	85 °C
Reference specification	IEC 60384-14; First Edition 1981
Safety approvals	UL1283; VDE 565-1; IMQ
Materials qualified	in accordance with UL94V-O
Safety class	X2

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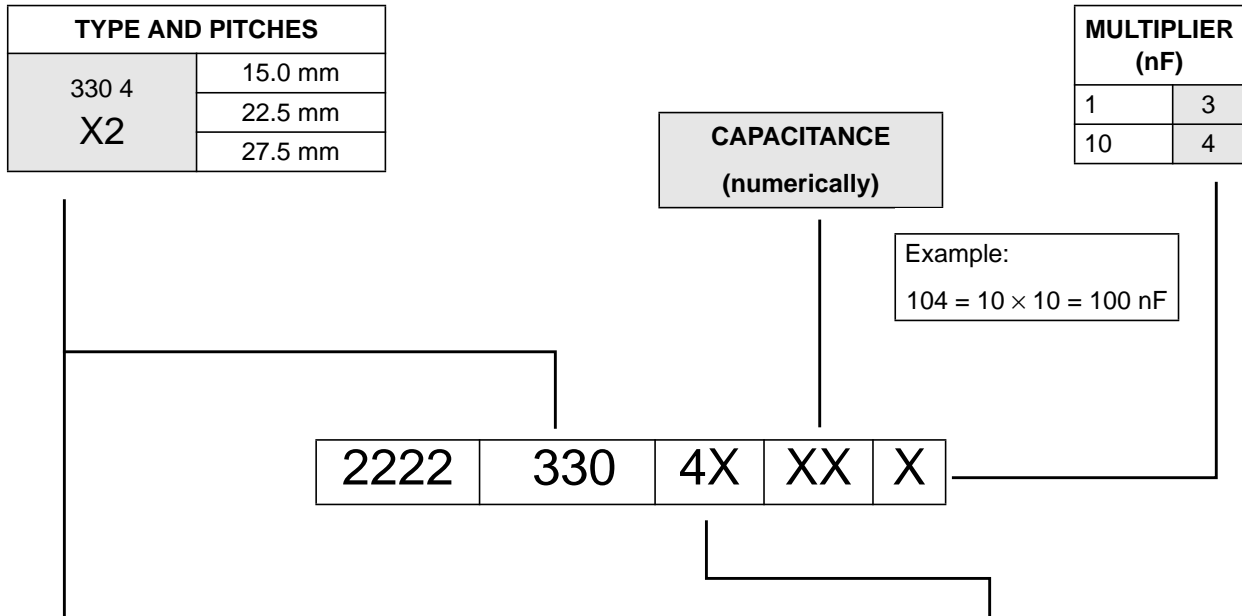
SAFETY APPROVALS

SAFETY APPROVALS (X2)		VALUE	FILE NUMBERS
	UL1283	10 nF to 1 μ F	E 109565
	VDE	10 nF to 1 μ F	1016.30-4670-1010
	IMQ	10 nF to 1 μ F	V 1557

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COMPOSITION OF CATALOGUE NUMBER



TYPE	PACKAGING ⁽¹⁾	LEAD CONFIGURATION	C-TOL	PREFERRED TYPES
330 4 X2	loose in box	lead length 5.0 mm	±20%	2222 330 40...
Other versions available on request				
330 4 X2	loose in box	lead length 5.0 mm	±10%	2222 330 41...
		lead length 3.5 mm	±20%	2222 330 47...
			±10%	2222 330 48...
		lead length 25.0 mm	±20%	2222 330 44...
	±10%		2222 330 45...	
	taped on reel	H = 18.5 mm; note 2	±20%	2222 330 42...
±10%			2222 330 43...	

Notes

1. For SPQ refer to this handbook, chapter "Packaging information"; taped on reel pitch = 27.5 mm is not available.
2. H = in-tape height; for detailed specifications refer to this handbook, chapter "Packaging information".

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MKT-P 330 4 GENERAL DATA

PITCH 15/22.5/27.5 mm

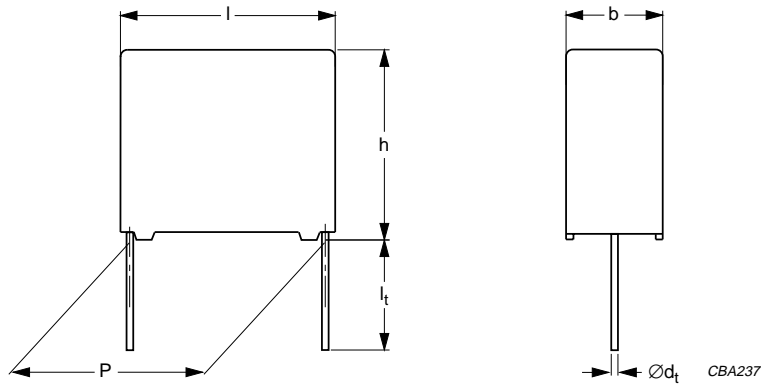


Fig.3 Outlines.

Specific reference data for the 250 V AC capacitors

DESCRIPTION	VALUE	
	at 1 kHz	at 10 kHz
Tangent of loss angle	$\leq 75 \times 10^{-4}$	$\leq 130 \times 10^{-4}$
Rated voltage pulse slope (dU/dt) _R at 350 V (DC)	100 V/µs	
R between leads, for C ≤ 0.33 µF at 100 V; 1 minute	>15000 MΩ	
RC between leads, for C > 0.33 µF at 100 V; 1 minute	>5000 s	
R between leads and case; 100 V; 1 minute	>30000 MΩ	
Withstanding (DC) voltage (cut off current 10 mA); rise time 100 V/s	1075 V; 1 minute	
Withstanding (AC) voltage between leads and case	2000 V; 1 minute	

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 $U_{Rac} = 250 \text{ V (AC) X2}$; $U_{Rdc} = 630 \text{ V}$

C (μF)	DIMENSIONS $b \times h \times l$ (mm)	MASS (g)	CATALOGUE NUMBER ⁽¹⁾
			LOOSE IN BOX
			$l_t = 5.0 \pm 1.0 \text{ mm}$
			C-tol = $\pm 20\%$
Pitch = $15.0 \pm 0.4 \text{ mm}$; $d_t = 0.80 \pm 0.08 \text{ mm}$			
0.01 0.015 0.022 0.033	5.0 × 11.0 × 17.5	1.2	2222 330 40103 2222 330 40153 2222 330 40223 2222 330 40333
0.047	6.0 × 12.0 × 17.5	1.4	2222 330 40473
0.068	7.0 × 13.5 × 17.5	2.0	2222 330 40683
0.1	8.5 × 15.0 × 17.5	2.6	2222 330 40104
Pitch = $22.5 \pm 0.4 \text{ mm}$; $d_t = 0.80 \pm 0.08 \text{ mm}$			
0.15	7.0 × 16.5 × 26.0	3.0	2222 330 40154
0.22	8.5 × 18.0 × 26.0	3.7	2222 330 40224
0.33	10.0 × 19.5 × 26.0	15.4	2222 330 40334
Pitch = $27.5 \pm 0.4 \text{ mm}$; $d_t = 0.80 \pm 0.08 \text{ mm}$			
0.47	13.0 × 23.0 × 31.0	10.8	2222 330 40474
0.68	15.0 × 25.0 × 31.0	12.9	2222 330 40684
1	18.0 × 28.0 × 31.0	18.2	2222 330 40105

Note

1. The shading indicates preferred types.