

## EMI Suppression Capacitors

B81711-A-B

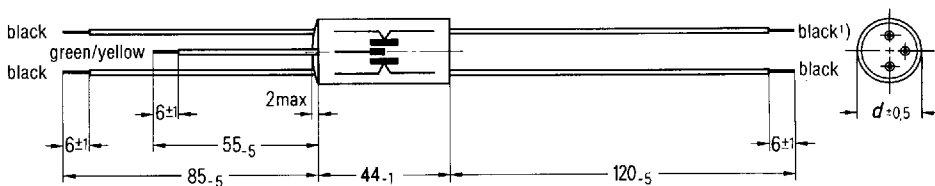
A-05-15-01

## X1Y capacitors

Rated voltage 250 V dc/ac, 50/60 Hz

Rated current 4 A

Broadband EMI suppression capacitors comprising impregnated paper dielectric and metal foil electrodes, enclosed in tubular plastic can with epoxy resin seal. Leads 1 × 0.8 mm dia (YV).



## Technical data

## Test voltage

X1 capacitors: 1650 V dc, 2 s (layer to layer)

Y capacitors: 2700 V dc, 2 s (layer to layer)

## Capacitance tolerance

±20 %

## Insulation



≥ 6000 MΩ

## DIN climatic category


HPF (-25 to +85 °C/-13 to +185 °F; humidity category F)

IEC climatic category  
(IEC 68)

25/085/21

Marks of conformity	Country	Specification	Certificate
	D	VDE 0565 part 1/12.79 class X1 Y	22746
	CH	SEV 1055, 1978	J 1.21/250

## Types

Rated capacitance		Dimensions $d \times l$ mm	Approx. weight g	Ordering code PU: 100
0.025 $\mu$ F + 2 × 2500 pF	(X1) (Y)	12 × 43	9	B81711-A-B21
0.05 $\mu$ F + 2 × 2500 pF	(X1) (Y)	14 × 44	11	B81711-A-B22
0.07 $\mu$ F + 2 × 2500 pF	(X1) (Y)	14 × 44	11	B81711-A-B23
0.1 $\mu$ F + 2 × 2500 pF	(X1) (Y)	16 × 44	14	B81711-A-B24 
0.2 $\mu$ F + 2 × 2500 pF	(X1) (Y)	20 × 44	20	B81711-A-B25

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B81711-A-B

B81712-A-B

## EMI Suppression Capacitors

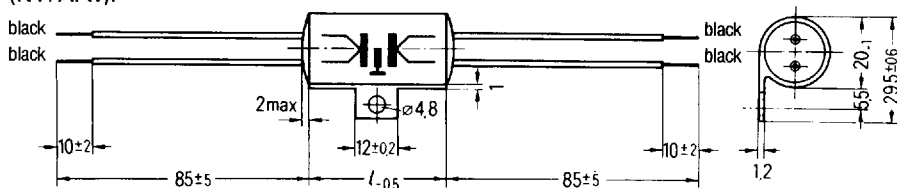
SIEMENS AKTIENGESELLSCHAFT

X1Y capacitors

Rated voltage 250 V dc/ac, 50/60 Hz

Rated current 10 A

X1Y capacitors comprising impregnated paper dielectric and metal foil electrodes; in metal tubes with mounting strips and epoxy resin seal. Litz wire connections  $1 \times 0.75 \text{ mm}^2$  (NYFAFw).



Dimensions in mm

## Technical data

Test voltage

X1 capacitors: 1650 V dc, 2 s (layer to layer)

Y capacitors: 2700 V dc, 2 s (layer to layer)

Capacitance tolerance

 $\pm 20 \%$ 

Insulation

 $\geq 6000 \text{ M}\Omega$ 

DIN climatic category

HPF (-25 to +85 °C/-13 to +185 °F; humidity category F)

IEC climatic category

25/085/21

(IEC 68)

Marks of conformity

Country

Specification

Certificate



D

VDE 0565 part 1/12.79 class X1 Y

22746



CH

SEV 1055, 1978

J 1.21/250



USA

UL 1283

E 70122 (Guide FOKY 2)  
for B81712-A-B36

## Types

Rated capacitance		Dimensions $d \times l$ mm	Approx. weight g	Ordering code PU: 100
0.05 $\mu\text{F}$ + 2 $\times$ 2500 pF	(X1) (Y)	20 $\times$ 38	25	B81711-A-B31
0.07 $\mu\text{F}$ + 2 $\times$ 2500 pF	(X1) (Y)			B81711-A-B32
0.1 $\mu\text{F}$ + 2 $\times$ 5000 pF	(X1) (Y)	20 $\times$ 45	29	B81711-A-B33
0.1 $\mu\text{F}$ + 2 $\times$ 2500 pF	(X1) (Y)			B81711-A-B34
0.2 $\mu\text{F}$ + 2 $\times$ 2500 pF	(X1) (Y)	20 $\times$ 58	42	B81711-A-B36
0.2 $\mu\text{F}$ + 2 $\times$ 2500 pF	(X1) (Y)	20 $\times$ 61	42	B81712-A-B36 <sup>1)</sup>

1) Litz wire AWM style 1015, AWG 16