

A-05-15-01  
B81711-A-B  
B81712-A-B

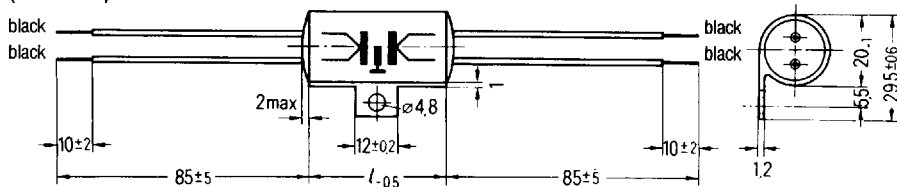
## EMI Suppression Capacitors

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 (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
	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