

X2 capacitors with small dimensions
Rated voltage 275 Vac, 50/60 Hz

Construction

- Dielectric: polyester (MKT)
- Internal series connection
- Plastic case (UL 94 V-0)
- Epoxy resin sealing, flame-retardant

Features

- The capacitors meet the requirements of IEC 384-14, 2nd edition
- Self-healing properties

Terminals

- Parallel wire leads, tinned
- Two standard lead lengths available:
 6 mm und 26 mm
 Other lead lengths available upon request




Marking

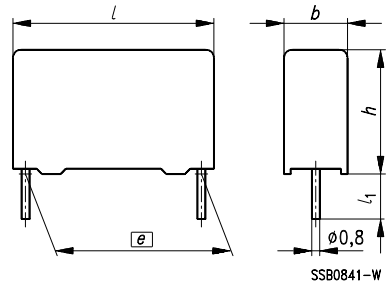
Manufacturer, lot number, date of manufacture (year/week), rated capacitance (coded), capacitance tolerance (code letter), rated ac voltage, type number, interference suppression sub-class (X2), style (MKT), climatic category, awarded marks of conformity

Delivery mode

Bulk (untaped)
 Taped (Ammo pack or reel)
 For notes on taping [see page 439](#).

Approvals

Marks of conformity	Standards
	UL 1283 (250 Vac) UL 1414 (250 Vac)
	CSA C22.2 No. 0; 8 (250 Vac) CSA C22.2 No. 0; 1 (250 Vac)
	EN 132400 / IEC 384-14, 2nd edition



Lead length l_1 mm	6 -1	26 ± 2
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Technical data

Permissible continuous dc voltage	275 V (50/60 Hz)				
Permissible continuous ac voltage	630 V				
DC test voltage	1700 V, 2 s (layer/layer)				
Insulation resistance R_{IS} or time constant $\tau = C_R \cdot R_{IS}$ at 20 °C, rel. humidity $\leq 65\%$ (minimum as-delivered values)	<table border="1"> <tr> <td>$C_R \leq 0,33 \mu\text{F}$</td> <td>$C_R > 0,33 \mu\text{F}$</td> </tr> <tr> <td>30 000 MΩ</td> <td>10 000 s</td> </tr> </table>	$C_R \leq 0,33 \mu\text{F}$	$C_R > 0,33 \mu\text{F}$	30 000 M Ω	10 000 s
$C_R \leq 0,33 \mu\text{F}$	$C_R > 0,33 \mu\text{F}$				
30 000 M Ω	10 000 s				
Capacitance tolerance	$\pm 20\% \hat{=} M$ (closer tolerances upon request)				
Climatic category	In accordance with IEC 68-1 40/100/21 (-40 °C/+100 °C/21 days damp heat test)				

Ordering codes and packing units

Lead spacing e $\pm 0,4$ mm	C_R	Maximum dimensions $b \times h \times l$ (mm)	Ordering code ¹⁾	Packing units (pcs)			
				Ammo pack	Reel	Untaped	
						Lead length 6 mm	26 mm
15	22 nF	5,0 × 10,5 × 18,0	B81133-C1223-M***	1180	1300	1000	1000
	33 nF	5,0 × 10,5 × 18,0	B81133-C1333-M***	1180	1300	1000	1000
	47 nF	6,0 × 11,0 × 18,0	B81133-C1473-M***	1000	1100	1000	1000
	68 nF	7,0 × 12,5 × 18,0	B81133-C1683-M***	840	900	1000	1000
	0,10 μF	8,5 × 14,5 × 18,0	B81133-D1104-M***	690	700	500	500
	0,15 μF	8,5 × 14,5 × 18,0	B81133-D1154-M***	690	700	500	500
22,5	0,10 μF	6,0 × 15,0 × 26,5	B81133-C1104-M***	690	700	720	500
	0,15 μF	7,0 × 16,0 × 26,5	B81133-C1154-M***	590	600	630	500
	0,22 μF	8,5 × 16,5 × 26,5	B81133-C1224-M***	500	500	510	500
	0,33 μF	10,5 × 16,5 × 26,5	B81133-D1334-M***	400	400	540	500
	0,47 μF	11,0 × 20,5 × 26,5	B81133-D1474-M***	380	350	510	400
27,5	0,33 μF	11,0 × 21,0 × 31,5	B81133-C1334-M***	–	350	320	250
	0,47 μF	11,0 × 21,0 × 31,5	B81133-C1474-M***	–	350	320	250
	0,68 μF	12,5 × 21,5 × 31,5	B81133-C1684-M***	–	300	280	250
	1,0 μF	14,0 × 24,5 × 31,5	B81133-C1105-M***	–	–	260	250
	1,5 μF	18,0 × 27,5 × 31,5	B81133-C1155-M***	–	–	200	200 ²⁾
32,5	2,2 μF	20,0 × 31,0 × 36,5	B81133-C1225-M***	–	–	125	125 ²⁾

) Replace the *** by the code number for the required lead length or packing.

000 = lead length 6 mm (untaped)
026 = lead length 26 mm (untaped)
289 = taped, Ammo pack
189 = taped, reel

2) Approval to EN 132 400 / IEC 384-14, 2nd edition