

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

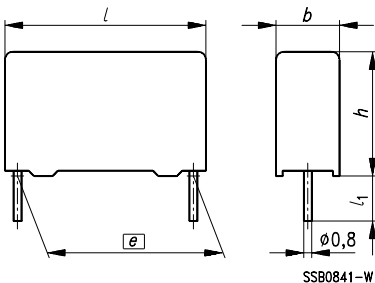
Manufacturer, lot number, date of manufacture (year/week), rated capacitance (coded), capacitance tolerance (code letter), rated ac voltage, type number, interference suppression sub-class (X2), style (MKT), climatic category, awarded marks of conformity

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)	$C_R \leq 0,33 \mu F$ 30 000 M Ω	$C_R > 0,33 \mu F$ 10 000 s
Capacitance tolerance	$\pm 20\% \pm M$ (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  ± 0,4 mm	C _R	Maximum dimensions <i>b × h × l</i> (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
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

) 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