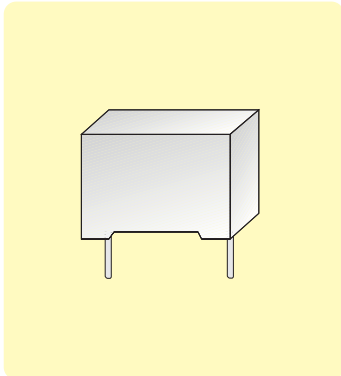


### EPCOS type B81130 / B3292\* series & B81122

A range of radial lead X2 and Y2 capacitors, with extensive approvals, designed for mains interference suppression. Meets EN132400 (IEC60384-14 2nd edition), the unified European safety standard. Epoxy resin encapsulated in flame retardant plastic cases.

**NEW**



- ◆ Mains rated **X2 & Y2** class
- ◆ Meet the unified European safety standard EN132400
- ◆ **Metallised polypropylene** or **polyester** dielectrics, self healing
- ◆ Encapsulated in plastic cases
- ◆ Cases flame retardant to UL94V-0
- ◆ Body colour **Blue**

#### Specification

Meets EN132400 (IEC60384-14 2nd edition)

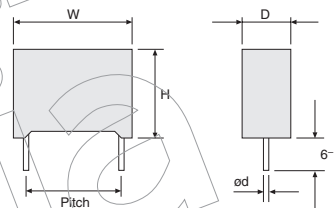
#### X2 Class

Voltage rating .....	275Vac (B81130), 300Vac (B3292*)
Capacitance tolerance .....	±20%
Test voltage .....	2000Vdc
Operating temperature range .....	-40°C to +100°C
Climatic category .....	40/100/21 IEC60068-1
Insulation resistance/time constant .....	≥30,000MΩ (C≤0.33μF), ≥10,000sec. (C>0.33μF)
Dissipation factor .....	≤0.1% at 1kHz

#### Y2 Class

Voltage rating .....	250Vac
Capacitance tolerance .....	±20%
Test voltage .....	2500Vdc (10mm pitch), 2700Vdc (≥15mm pitch)
Operating temperature range .....	-40°C to +100°C (10mm pitch), -40°C to +85°C (≥15mm pitch)
Climatic category .....	40/100/21 (10mm pitch), 40/085/21 (≥15mm pitch)
Insulation resistance .....	IEC60068-1 ≥30,000MΩ
Dissipation factor .....	≤1% (10mm pitch), ≤0.1% (≥15mm pitch) at 1kHz

#### Dimensions (mm)



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 Alternatively, contact our Sales Desk to discuss your specific requirements.

**Y1 Class** Suppression Capacitors  
*available to special order*

For other suppression capacitors and details of our extensive selection of suppression devices including Varistors, In-rush/Overcurrent Protection Thermistors, TVS Diodes, GDTs, Inductors/Chokes & Mains Filters  
**refer to our EMC, Filters & Suppression section**

## X2 Class EPCOS type B81130 / B3292\* series

### METALLISED POLYPROPYLENE



Metallised polypropylene (MKP) capacitors with self healing dielectric, supplied with short leads as standard. Long leads available to special order. Comprising of two series, the B81130 offers a rated voltage of 275Vac, whereas the B3292\* offers a higher rated voltage of 300Vac and is recommended for new designs.

Pitch	Value (µF)	W	Dimensions (mm)			ød	anglia Order Code	
			H	D	B81130		B3292*	
10mm	0.01	13.0	9.0	4.0	0.6	B81130C1103M	B32921A3103M	
	0.015	13.0	9.0	4.0	0.6	B81130C1153M	B32921A3153M	
	0.022	13.0	11.0	5.0	0.6	B81130C1223M	B32921A3223M	
	0.033	13.0	11.0	5.0	0.6	B81130C1333M	B32921A3333M	
	0.047	13.0	12.0	6.0	0.6	B81130C1473M	B32921A3473M	
15mm	0.022	18.0	10.5	5.0	0.8	B81130B1223M	B32922A3223M	
	0.033	18.0	10.5	5.0	0.8	B81130B1333M	B32922A3333M	
	0.047	18.0	10.5	5.0	0.8	B81130B1473M	B32922A3473M	
	0.068	18.0	11.0	6.0	0.8	B81130C1683M	B32922A3683M	
	0.1	18.0	12.0	6.0	0.8	B81130C1104M	B32922A3104M	
	0.15	18.0	14.5	8.5	0.8	B81130C1154M	B32922A3154M	
	0.22	18.0	17.5	9.0	0.8	B81130C1224M	B32922A3224M	
22.5mm	0.15	26.5	15.0	6.0	0.8	B81130B1154M	B32923A3154M	
	0.22	26.5	16.0	7.0	0.8	B81130B1224M	B32923A3224M	
	0.33	26.5	16.5	8.5	0.8	B81130C1334M	B32923A3334M	
	0.47	26.5	16.5	10.5	0.8	B81130C1474M	B32923A3474M	
	0.68	26.5	20.5	11.0	0.8	B81130C1684M	B32923A3684M	
27.5mm	0.47	31.5	21.0	11.0	0.8	B81130B1474M	B32924A3474M	
	0.68	31.5	21.0	11.0	0.8	B81130B1684M	B32924A3684M	
	1.0	31.5	21.5	12.5	0.8	B81130C1105M	B32924A3105M	
	1.5	31.5	24.5	15.0	0.8	B81130C1155M	B32924A3155M	
	2.2	31.5	27.5	18.0	0.8	B81130C1225M	B32924A3225M	

## Y2 Class EPCOS type B81122

### METALLISED POLYPROPYLENE / POLYESTER



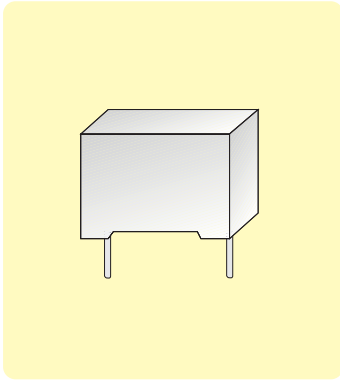
Metallised polypropylene (MKP) capacitors, except 10mm pitch which are metallised polyester (MKT), with self healing dielectric. Supplied with short leads as standard. Long leads available to special order. Rated voltage 250Vac.

Pitch	Value (µF)	W	Dimensions (mm)			ød	anglia Order Code
			H	D	D		
10mm	0.001 (1000pF)	13.0	9.0	4.0	0.6	B81122C1102M	
	0.0015 (1500pF)	13.0	9.0	4.0	0.6	B81122C1152M	
	0.0022 (2200pF)	13.0	11.0	5.0	0.6	B81122C1222M	
	0.0033 (3300pF)	13.0	11.0	5.0	0.6	B81122C1332M	
	0.0047 (4700pF)	13.0	12.0	6.0	0.6	B81122C1472M	
	0.0056 (5600pF)	13.0	12.0	6.0	0.6	B81122C1562M	
	0.0068 (6800pF)	13.0	12.0	6.0	0.6	B81122C1682M	
	0.01	18.0	11.0	6.0	0.8	B81122A1103M	
15mm	0.015	18.0	12.5	7.0	0.8	B81122A1153M	
	0.022	18.0	14.5	8.5	0.8	B81122A1223M	
	0.027	18.0	14.5	8.5	0.8	B81122A1273M	
	0.033	18.0	17.5	9.0	0.8	B81122A1333M	
	0.047	26.5	16.0	7.0	0.8	B81122A1473M	
22.5mm	0.056	26.5	16.5	8.5	0.8	B81122A1563M	
	0.068	26.5	16.5	10.5	0.8	B81122A1683M	
	0.1	26.5	20.5	10.5	0.8	B81122A1104M	
27.5mm	0.15	31.5	21.0	11.0	0.8	B81122A1154M	
	0.22	31.5	23.0	13.5	0.8	B81122A1224M	
	0.33	31.5	27.5	18.0	0.8	B81122A1334M	

Arcotronics Nissei Suppression Capacitors shown overleaf > > > >

**ARCOTRONICS NISSEI type R46 & R41**

A range of radial lead X2 and Y2/X1 capacitors, with extensive approvals, designed for mains interference suppression. Meets EN132400 (IEC60384-14 2nd edition), the unified European safety standard. Epoxy resin encapsulated in flame retardant plastic cases.



- ◆ Mains rated **X2 & Y2/X1** class
- ◆ Meet the unified European safety standard EN132400
- ◆ **Metallised polypropylene** dielectric, self healing
- ◆ Encapsulated in plastic cases
- ◆ Cases flame retardant to UL94V-0
- ◆ Body colour **Grey**

**Specification**

Meets EN132400 (IEC60384-14 2nd edition)

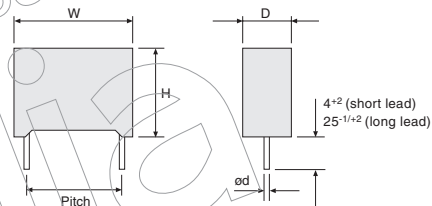
**X2 Class**

Voltage rating .....	275Vac
Capacitance tolerance .....	±20%
Test voltage .....	1500Vac + 2200Vdc
Operating temperature range .....	-40°C to +110°C
Climatic category .....	40/110/56 IEC60068-1
Insulation resistance/time constant .....	≥100,000MΩ(C≤0.33µF), ≥30,000sec.(C>0.33µF)
Dissipation factor .....	≤0.1% at 1kHz

**Y2/X1 Class**

Voltage rating .....	300Vac
Capacitance tolerance .....	±20%
Test voltage .....	2500Vac + 5000Vdc
Operating temperature range .....	-40°C to +110°C
Climatic category .....	40/110/56 IEC60068-1
Insulation resistance/time constant .....	≥100,000MΩ(C≤0.33µF), ≥30,000sec.(C>0.33µF)
Dissipation factor .....	≤0.1% at 1kHz

**Dimensions (mm)**




**Manufacturer's Part Number Key**

**ARCOTRONICS NISSEI type R46 & R41**



- |  |   |  |   |
|--|---|--|---|
| 1. SERIES CODE                               | 3. LEAD PITCH<br>F = 10mm<br>I = 15mm<br>N = 22.5mm<br>R = 27.5mm<br>W = 37.5mm | 4. & 5. CAPACITANCE VALUE IN pF<br>5. indicates first 3 digits of value<br>4. indicates amount of following zeros<br>e.g. 3100 = 100,000pF (0.1µF) | 6. PACKAGING/LEAD LENGTH<br>00 = Loose, short leads<br>50 = Loose, long leads |
| 2. RATED VOLTAGE<br>K = 275Vac<br>3 = 300Vac |   |  | 7. & 8. MANF. INTERNAL CODE (subject to variation)                            |
|  |   |  | 9. CAPACITANCE TOLERANCE<br>M = 20%   |


**B3292\* X2 Class & B81122 Y2 Class**  
 Recommended series for new designs  
*refer to pages 116 & 117 for details*

For other suppression capacitors and details of our extensive selection of suppression devices including Varistors, In-rush/Overcurrent Protection Thermistors, TVS Diodes, GDTs, Inductors/Chokes & Mains Filters  
*refer to our EMC, Filters & Suppression section*

**X2 Class** ARCOTRONICS NISSEI type R46**METALLISED POLYPROPYLENE**

Metallised polypropylene (MKP) capacitors with self healing dielectric, supplied with short leads as standard. Selected values with long leads are also listed with others available to special order. **Low profile** versions are ideal for ballast lighting market.

Pitch	Value (µF)	Max Pulse Rise Time (V/µs)	Dimensions (mm)				anglia Order Code
			W	H	D	ød	
10mm	0.01	500	13.0	11.0	5.0	0.6	098801P
	0.015	500	13.0	9.0	4.0	0.6	098802P
	0.022	500	13.0	9.0	4.0	0.6	098803P
	0.033	500	13.0	11.0	5.0	0.6	098804P
	0.047	500	13.0	11.0	5.0	0.6	098805P
15mm	0.01	400	18.0	11.0	5.0	0.6	098801S
	0.015	400	18.0	11.0	5.0	0.6	098802S
	0.022	400	18.0	11.0	5.0	0.6	098803S
	0.033	400	18.0	11.0	5.0	0.6	098804S
	0.047	400	18.0	11.0	5.0	0.6	098805S
	0.068	400	18.0	11.0	5.0	0.6	098806S
	0.1	400	18.0	12.0	6.0	0.6	098807S
	0.1 (long leads)	400	18.0	12.0	6.0	0.6	098807LS
	0.15	400	18.0	14.5	8.5	0.6	098808S
	0.22 (low profile)	400	18.0	12.5	9.0	0.6	098809PL
	0.22	400	18.0	13.5	7.5	0.6	098809P
	0.33 (low profile)	400	18.0	12.0	13.0	0.8	098810PL
	0.33	400	18.0	16.0	10.0	0.8	098810P
22.5mm	0.15	200	26.5	15.0	6.0	0.8	098808A
	0.22	200	26.5	16.0	7.0	0.8	098809S
	0.33	200	26.5	17.0	8.5	0.8	098810S
	0.47	200	26.5	18.5	10.0	0.8	098811S
	0.47 (long leads)	200	26.5	18.5	10.0	0.8	098811LS
	0.68	200	26.5	20.0	11.0	0.8	098812P
27.5mm	0.47	150	32.0	17.0	9.0	0.8	098811A
	0.68	150	32.0	20.0	10.0	0.8	098812S
	1.0	150	32.0	20.0	11.0	0.8	098813S
	1.0 (long leads)	150	32.0	20.0	11.0	0.8	098813LS
	1.5	150	32.0	24.5	15.0	0.8	098814S
	2.2	150	32.0	33.0	18.0	0.8	098815S

**Y2/X1 Class** ARCOTRONICS NISSEI type R41**METALLISED POLYPROPYLENE**

Metallised polypropylene (MKP) capacitors with self healing dielectric, supplied with short leads as standard. Long leads available to special order. Supersedes R41 metallised polyester (MKT) range. Offers superior voltage rating, max pulse rise time, insulation resistance and dissipation factor. Furthermore, capacitance values now extend to 1.0µF.

Pitch	Value (µF)	Max Pulse Rise Time (V/µs)	Dimensions (mm)				anglia Order Code
			W	H	D	ød	
10mm	0.001 (1000pF)	800	13.0	9.0	4.0	0.6	098302S
	0.0015 (1500pF)	800	13.0	9.0	4.0	0.6	098312S
	0.0022 (2200pF)	800	13.0	9.0	4.0	0.6	098303S
	0.0033 (3300pF)	800	13.0	11.0	5.0	0.6	098313S
	0.0047 (4700pF)	800	13.0	11.0	5.0	0.6	098304S
	0.0068 (6800pF)	800	13.0	12.0	6.0	0.6	098314S
15mm	0.01	600	18.0	11.0	5.0	0.6	098305S
	0.015	600	18.0	12.0	6.0	0.6	098315S
	0.022	600	18.0	13.5	7.5	0.6	098306S
	0.033	600	18.0	14.5	8.5	0.6	098316S
	0.047	600	18.0	16.0	10.0	0.6	098310S
22.5mm	0.068	500	26.5	16.0	7.0	0.8	098317S
	0.1	500	26.5	18.5	10.0	0.8	098308S
	0.15	500	26.5	20.0	11.0	0.8	098318S
	0.22	500	26.5	22.0	13.0	0.8	098319P
27.5mm	0.22	400	32.0	22.0	13.0	0.8	098319S
	0.33	400	32.0	28.0	14.0	0.8	098320S
	0.47	400	32.0	33.0	18.0	0.8	098321P
	0.68	400	32.0	33.0	18.0	0.8	098322P
37.5mm	0.47	300	41.5	24.0	13.0	0.8	098321S
	0.68	300	41.5	28.5	16.0	0.8	098322S
	1.0	300	41.5	40.0	20.0	0.8	098323S