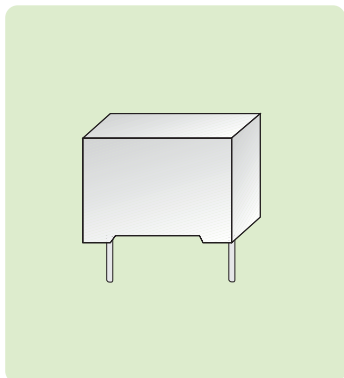


EPCOS type B81130 / B3292* series & B81122

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.



- ◆ 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)

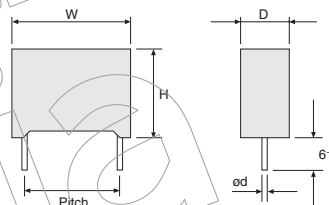
X2 Class

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) IEC60068-1
Insulation resistance	≥30,000MΩ
Dissipation factor	≤1% (10mm pitch), ≤0.1% (≥15mm pitch) at 1kHz

Dimensions (mm)



TECHNICAL DATA
 FOR REFERENCE PURPOSES ONLY
 www.anglia.com
 info@anglia.com
 Fax : 01945 47 48 49

Y1 Class Suppression Capacitors

available to special order

GENERAL PURPOSE PLASTIC FILM CAPACITORS

Type B32529
(5mm Pitch)

refer to the Capacitors 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

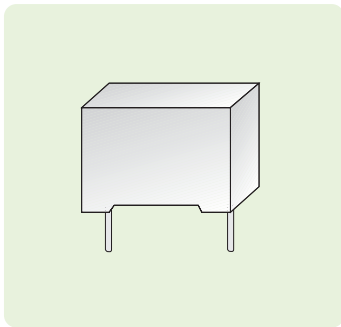
Metallised polypropylene (MKP) capacitors, except 10mm pitch which are metallised polyester (MKT), with self healing dielectric. Supplied with short leads as standard. Long leads available to special order. Rated voltage 250Vac.

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	
	22.5mm	0.047	26.5	16.0	7.0	0.8	B81122A1473M
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)

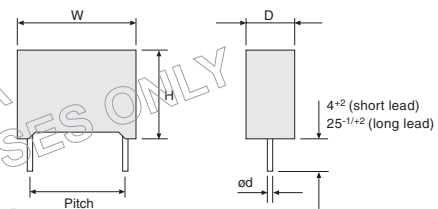
X2 Class

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)



B3292* **X2 Class** & B81122 **Y2 Class**

Recommended series for new designs
 refer to pages 342 & 343 for details

Manufacturer's Part Number Key

ARCOTRONICS NISSEI type R46 & R41



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

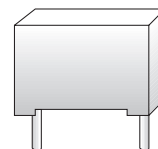
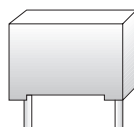
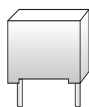
ARCOTRONICS NISSEI

GENERAL PURPOSE PLASTIC FILM CAPACITORS

Type R82 (5mm Pitch)

Type R66 (7.5mm Pitch)

Type R60 (10mm-27.5mm Pitch)



refer to the Capacitors 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
	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