

Film Capacitors

AC Capacitors

MotorCap RUN



Series	MotorCap RUN B32320E/B32320S/B32320B
Technical data	Type : Motor Run Capacitor Voltage range : 450 Vrms Capacitance : 2 ... 72 µF Construction : Plastic case Safety Class : P0
Applications	For general sine wave applications, mainly as motor run capacitor for FHP motors

MotorCap RUN

Technical data : MotorCap RUN

Series type	B32320
Terminal	Single fast-on
Electrical Ratings	
Rated Voltage V_R	440/450/480 (Refer table) (Others on request)
Rated Capacitance C_R	2 ... 72 µF (Others on request)
Rated frequency f_R	50/60 Hz
Capacitance tolerance	±5 (Others on request)
Maximum permissible voltage (V_{Max})	1.1 (V_R)
Maximum permissible current (I_{Max})	1.3 (I_R)
Dissipation factor δ' (20 °C, 1 kHz)	$\leq 7 \cdot 10^{-3}$
Application	For general sine wave applications, mainly as motor run capacitor

Safety

Safety class	P0 to IS 2993:1998
Life expectancy to IEC 60252-1 / IS 2993:1998	450 V AC class B/C/D (1 - 120 nF) (Refer table) (Others on request)

Climatic parameter to IEC 60068 - 1

Lower category temperature T_{min}	-25 °C
Upper category temperature T_{max}	+70... +85 °C
Damp heat test t_{test}	21 days

Construction

Reference Standards	IS 2993:1998
Dimension	Refer Table (Others on request)

Approvals (Can be Offered on Specific Requirement)

ISI	450 V AC class B/C/D, 85 °C
CE	Compliance to LV directive 2014/35/EU (On request)
UL (for construction only)	UL (On request)
VDE	400 V/85 °C : class B for 3 µF to 50 µF (On request) 250 V/85 °C : class B for 3 µF to 50 µF (On request) 480 V/85 °C : class C for 3 µF to 35 µF (On request)

Film Capacitors

AC Capacitors

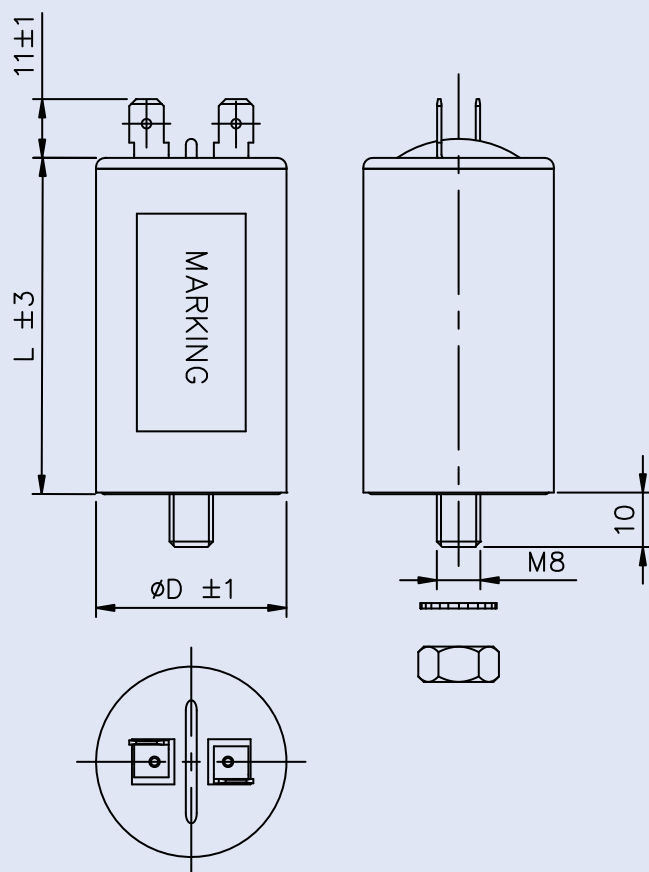
MotorCap RUN								
Series	Part Code	Material Description	Dimensions D x L (mm)	MFD (nF)	Voltage (V)	Approval	Class of operation	Terminal Type
B32320E	B32320E6255J 10	2.5 MFD 450 V PL 25 x 48 6.3 x 0.8 IN TER	25 x 48	2.5	450	ISI	D	B
	B32320E6305J 10	3.0 MFD 450 V PL 25 x 48 6.3 x 0.8 IN TER	25 x 48	3	450	ISI	D	B
	B32320E6405J 10	4 MFD 450 V PL 25 x 48 SFO INS TER	25 x 48	4	450	ISI	D	B
	B32320E6505J 10	5 MFD 450 V PL 25 x 48 SFO INS TER	25 x 48	5	450	ISI	D	B
	B32320E6605J 10	6 MFD 450 V PL 25 x 55 SFO INS TER	25 x 55	6	450	ISI	D	B
	B32320E6805J 10	8 MFD 450 V PL 30 x 55 SFO INS TER	30 x 55	8	450	ISI	D	B
	B32320E6126J 510	12.5 MFD 450 V PL 35 x 60 SFO INS TER	35 x 60	12.5	450	ISI	D	B
	B32320E5256J 10	25 MFD 440 V PP 40 x 70 PFT SFO	40 x 70	25	440	ISI	D	A
	B32320E6205J 13	2 MFD 450 V PL 25 x 48 SFO 6.3 x 0.8 IN TER	25 x 48	2	450	ISI	B	B
	B32320E6255J 13	2.5 MFD 450 V PL 25 x 48 SFO 6.3 x 0.8 IN TER	25 x 48	2.5	450	ISI	B	B
	B32320E6305J 13	3 MFD/450 V PL 27 x 48 SFO 6.3 x 0.8	27 x 48	3	450	ISI	B	A
	B32320E6355J 13	3.5 MFD 450 V PL 27 x 48 SFO 6.3 x 0.8 IN TER	27 x 48	3.5	450	ISI	B	B
	B32320E6405J 13	4 MFD/450 V PL 27 x 48 SFO 6.3 x 0.8	27 x 48	4	450	ISI	B	B
	B32320E6505J 13	5 MFD/450 V PL 27 x 55 SFO 6.3 x 0.8	27 x 55	5	450	ISI	B	B
	B32320E6605J 13	6 MFD 450 V PL 30 x 55 SFO 6.3 x 0.8	30 x 55	6	450	ISI	B	B
	B32320E6805J 13	8 MFD 450 V PL 35 x 60 SFO 6.3 x 0.8	35 x 60	8	450	ISI	B	B
	B32320E6106J 13	10 MFD 450 V PL 35 x 60 SFO 6.3 x 0.8	35 x 60	10	450	ISI	B	B
	B32320E6505J 11	5 MFD 450 V PL 25 x 55 WITH CORE SFO INS TER	25 x 55	5	450	ISI	D	B
	B32320E6605J 12	6 MFD 450 V PL 25 x 55 WITH CORE SFO INS TER	25 x 55	6	450	ISI	D	B
B32320S	B32320S5805J 10	8 MFD 440 V PP 27 x 55 SINGLE FASTON	27 x 55	8	440	ISI	D	A
	B32320S5106J 10	10 MFD 440 V PP 30 x 55 SINGLE FASTON	30 x 55	10	440	ISI	D	A
	B32320S5156J 10	15 MFD 440 V PP 35 x 60 SINGLE FASTON	35 x 60	15	440	ISI	D	A
	B32320S5206J 10	20 MFD 440 V PP 35 x 70 SINGLE FASTON	35 x 70	20	440	ISI	D	A
B32320B	B32320B7505J 11	5 MFD 480 V PL 30 x 60 SFO WITH ISI MARKING	30 x 60	5	480	VDE, CE,ISI	C	A
	B32320B7805J 11	8 MFD 480 V PL 35 x 71 SFO WITH ISI MARKING	35 x 71	8	480	VDE, CE,ISI	C	A

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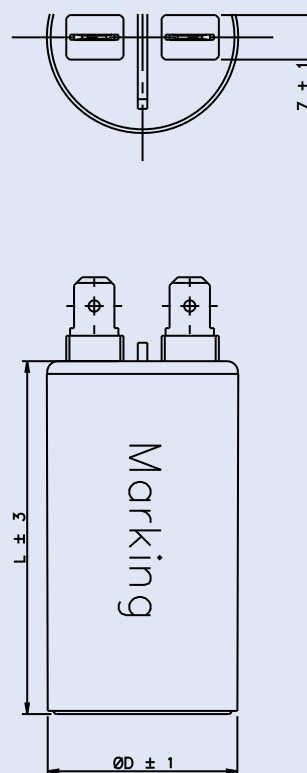
AC Capacitors

Dimensional Drawing

Terminal type A

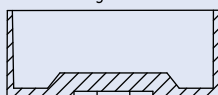


Terminal type B



Mounting Options

= 1 : Can without mounting



= 3 : Can with M8 bolt



M8 x 1.25

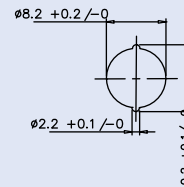
Star washer 8 mm

Nut M8 x 1.25

= 5 : Locking clip



M8 Sized fast fixation



Film Capacitors

AC Capacitors

MotorCap RUN



Series	MotorCap RUN B32322F/B32322R/B32322B
Technical data	Type : Motor Run Capacitor Voltage range : 450 Vrms Capacitance : 2 ... 72 μ F Construction : Plastic case Safety Class : P0
Applications	For general sine wave applications, mainly as motor run capacitor

MotorCap RUN

Technical data : MotorCap RUN

Series type	B32322
Terminal	Double fast-on
Electrical Ratings	
Rated Voltage V_R	440/450/480 (Refer table) (Others on request)
Rated Capacitance C_R	2...72 μ F (Others on request)
Rated frequency f_R	50/60 Hz
Capacitance tolerance	± 5 (Others on request)
Maximum permissible voltage (V_{Max})	1.1 (V_R)
Maximum permissible current (I_{Max})	1.3 (I_R)
Dissipation factor δ' (20°C, 1kHz)	$\leq 7 \cdot 10^{-3}$
Application	For general sine wave applications, mainly as motor run capacitor

Safety

Safety class	P0 to IS 2993:1998
Life expectancy to IEC 60252-1 / IS 2993:1998	450 V AC class B/C/D (1 - 120 μ F) (Refer table) (Others on request)

Climatic parameter to IEC 60068 - 1

Lower category temperature T_{min}	-25 °C
Upper category temperature T_{max}	+70... +85 °C
Damp heat test t_{test}	21 days

Construction

Reference Standards	IS 2993:1998
Dimension	Refer Table (Others on request)

Approvals (Can be Offered on Specific Requirement)

ISI	450 V AC class B/C/D, 85 °C
CE	Compliance to LV directive 2014/35/EU (On request)
UL (for construction only)	UL (On request)
VDE	400 V/85 °C : class B for 3 μ F to 50 μ F (On request) 250 V/85 °C : class B for 3 μ F to 50 μ F (On request) 480 V/85 °C: class C for 3 μ F to 35 μ F (On request)

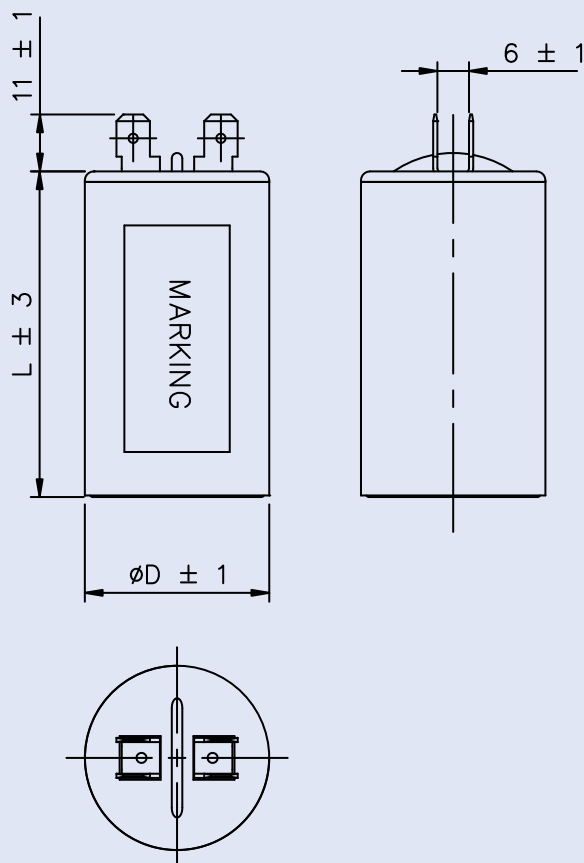
Film Capacitors

AC Capacitors

MotorCap RUN								
Series	Part Code	Material Description	Dimensions D x L (mm)	MFD (nF)	Voltage (V)	Approval	Class of operation	Terminal Type
B32322F	B32322F5256J 10	25 MFD 440 V PL 35 x 95 (P) DFO	35 x 95	25	440	ISI	D	A
	B32322F5306J 10	30 MFD 440 V PL 35 x 95 (P) DFO	35 x 95	30	440	ISI	D	A
	B32322F5366J 10	36 MFD 440 V PL 35 x 95 (P) DFO	35 x 95	36	440	ISI	D	A
	B32322F1366J20	36 MFD 250/450 V PL 35 x 95 PFT DFO (XM81735)	35 x 95	36	450	ISI	D	A
	B32322F5406J 10	40 MFD 440 V PL 40 x 95 (P) DFO	40 x 95	40	440	ISI	D	A
	B32322F5456J 10	45 MFD 440 V PL 40 x 95(P) DFO	40 x 95	45	440	ISI	D	A
	B32322F1456J20	45 MFD 250/450 V PL 45 x 95 PFT DFO	45 x 95	45	450	ISI	D	A
	B32322F5506J 10	50 MFD 440 V PL 45 x 95 (P) DFO	45 x 95	50	440	ISI	D	A
	B32322F1506J 10	50 MFD 250/450 V PP 45 x 95 PFT DFO (XM81705)	45 x 95	50	450	ISI	D	A
	B32322F5726J 10	72 MFD 440 V PL 50 x 95(P) DFO	50 x 95	72	440	ISI	D	A
B32322R	B32322R5256J 20	25 MFD 440 V PP 45 x 70 PF DOUBLE FASTON	45 x 70	25	440	ISI	B	A
	B32322R5366J 20	36 MFD 440 V PP 45 x 96 PF DOUBLE FASTON	45 x 96	36	440	ISI	B	A
	B32322R5406J 20	40 MFD 440 V PL 45 x 98 PF DOUBLE FASTON	45 x 98	40	440	ISI	B	A
	B32322R5456J 20	45 MFD 440 V PP 50 x 96 PF DOUBLE FASTON	50 x 96	45	440	ISI	B	A
	B32322R5506J 20	50 MFD 440 V PP 50 x 96 PF DOUBLE FASTON	50 x 96	50	440	ISI	B	A
B32322B	B32322B5606J 20	60 MFD /440 V PL 50 x 95 DFO	50 x 95	60	440	ISI	B	A

Dimensional Drawing

Terminal Type A



Film Capacitors

AC Capacitors

MotorCap RUN



Series

MotorCap RUN
B32327S/B32327B/B32327E/B32327F/B3227R

Technical data

Type : Motor Run Capacitor
Voltage range : 450 Vrms
Capacitance : 2 ... 72 μ F
Construction : Plastic case
Safety Class : P0(S0)

Applications

- For general sine wave applications, mainly as motor run capacitor for FHP motors

MotorCap RUN

Technical data : MotorCap RUN

Series type

B32327

Terminal

Insulated wires

Flexible or solid

Electrical Ratings

Rated Voltage V_R

440/450/480 (Refer table) (Others on request)

Rated Capacitance C_R

2.5 ... 30 μ F (Others on request)

Rated frequency f_R

50/60 Hz

Capacitance tolerance

± 5 (Others on request)

Maximum permissible voltage (V_{Max})

1.1 (V_R)

Maximum permissible current (I_{Max})

1.3 (I_R)

Dissipation factor δ' (20°C, 1kHz)

$\leq 7 \cdot 10^{-3}$

Application

For general sine wave applications, mainly as motor run capacitor

Safety

Safety class

S0 to IEC 60252-1 / P0 to IS 2993:1998

Life expectancy to IEC 60252-1 / IS 2993:1998

450 V AC class B/C/D (1 - 120 μ F) (Refer table) (Others on request)

Climatic parameter to IEC 60068 - 1

Lower category temperature T_{min}

-25 °C

Upper category temperature T_{max}

+70... +85 °C

Damp heat test t_{test}

21 days

Construction

Reference Standards

IEC 60252-1+A1:2013
IS 2993:1998

Dimension

Refer Table (Others on request)

Approvals (Can be Offered on Specific Requirement)

ISI

450 V AC class B/C/D, 85 °C

CE

Compliance to LV directive 2014/35/EU (On request)

UL (for construction only)

UL (On request)

VDE

400 V/85 °C : class B for 3 μ F to 50 μ F (On request)

250 V/85 °C : class B for 3 μ F to 50 μ F (On request)

480 V/85 °C: class C for 3 μ F to 35 μ F (On request)

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MotorCap RUN							
Series	Part Code	Material Description	Dimensions D x L (mm)	MFD (nF)	Voltage (V)	Approval	Class of operation
B32327S	B32327S5255J 15	2.5 MFD 450 V PL 25 x 55 PFT 150 MM WIRE	25 x 55	2.5	450	ISI	D
	B32327S5805J 10	8 MFD 440 V PP 27 x 51 WW 150 MM	27 x 51	8	440	ISI	D
	B32327S5106J 10	10 MFD 440 V PP 30 x 60 WW 150 MM	30 x 60	10	440	ISI	D
	B32327S5126J 518	12.5 MFD 440 V PL 35 x 60 WW 150 MM	35 x 60	12.5	440	ISI	D
	B32327S5156J 10	15 MFD 440 V PP 35 x 60 WW 150 MM	35 x 60	15	440	ISI	D
	B32327S5206J 10	20 MFD 440 V PL 35 x 70 WW 150 MM	35 x 70	20	440	ISI	D
	B32327S5256J 10	25 MFD 440 V PP 40 x 71 WW 150 MM	40 x 71	25	440	ISI	D
	B32327S5306J 10	30 MFD 440 V PL 40 x 95 WW 150 MM	40 x 95	30	440	ISI	D
B32327R	B32327R6605J 13	6 MFD 450 V PL 30 x 55 WW 200 MM	30 x 55	6	450	ISI	B
	B32327R5106J 23	10 MFD 440 V PP 35 x 60 PF WW 100 MM 15 STR	35 x 60	10	440	ISI	B
B32327E	B32327E5855J 11	8.5 MFD/440 V PL 30 x 55 PF WW 300 MM (15)	30 x 55	8.5	440	ISI	C
B32327F	B32327F1726J 27	72 MFD 450 V PP 50 x 93 PF WW 200 MM 15 STR	50X93	72	450	ISI	D

Dimensional Drawing

Terminal Type

The diagram illustrates the physical dimensions of a film capacitor. The side view shows a rectangular body with a height of $b \pm 10$ mm and a length of $L \pm 3$ mm. Two terminals are attached to the top, with a distance of 15 ± 3 mm between their bases. The top view shows a circular body with a diameter of $\varnothing D \pm 1$ mm. The word "Marking" is printed on the side of the capacitor.

Film Capacitors

AC Capacitors

MotorCap RUN		
	Series	MotorCap RUN B32328E/B32328F/B32328R
	Technical data	Type : Motor Run Capacitor Voltage range : 450 Vrms Capacitance : 2 ... 72 µF Construction : Plastic case Safety Class : P0(S0)
	Applications	For general sine wave applications, mainly as motor run capacitor for FHP motors

MotorCap RUN	
Technical data : MotorCap RUN	
Series type	B32328
Terminal	Wire with sleeve (Others on request)
Electrical Ratings	
Rated Voltage V_R	440/450/480 (Refer table) (Others on request)
Rated Capacitance C_R	2 ... 72 µF (Others on request)
Rated frequency f_R	50/60 Hz
Capacitance tolerance	±5 (Others on request)
Maximum permissible voltage (V_{Max})	1.1 (V_R)
Maximum permissible current (I_{Max})	1.3 (I_R)
Dissipation factor δ' (20°C, 1kHz)	$\leq 7 \cdot 10^{-3}$
Application	General sine wave applications, mainly as motor run capacitor
Safety	
Safety class	S0 to IEC 60252-1 / P0 to IS 2993:1998
Life expectancy to IEC 60252-1 / IS 2993:1998	450 V AC class B/C/D (1 - 120 nF) (Refer table) (Others on request)
Climatic parameter to IEC 60068 - 1	
Lower category temperature T_{min}	-25 °C
Upper category temperature T_{max}	+70... +85 °C
Damp heat test t_{test}	21 days
Construction	
Reference Standards	IEC 60252-1+A1:2013 IS 2993:1998
Dimension	Refer Table (Others on request)
Approvals (Can be Offered on Specific Requirement)	
ISI	450 V AC class B/C/D, 85 °C
CE	Compliance to LV directive 2014/35/EU (On request)
UL (for construction only)	UL (On request)
VDE	400 V/85 °C : class B for 3 µF to 50 µF (On request) 250 V/85 °C : class B for 3 µF to 50 µF (On request) 480 V/85 °C : class C for 3 µF to 35 µF (On request)

Film Capacitors

AC Capacitors

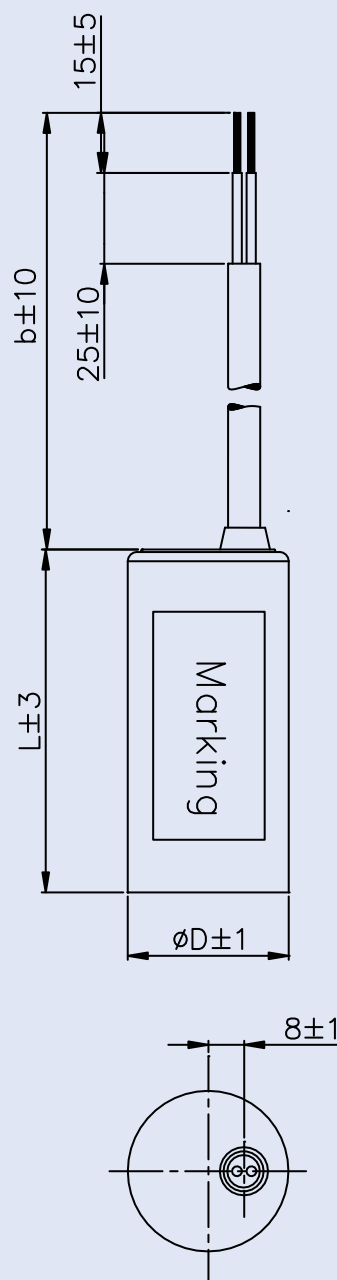
MotorCap RUN								
Series	Part Code	Material Description	Dimensions D x L (mm)	MFD (nF)	Voltage (V)	Approval	Class of operation	Terminal Type
B32328E	B32328E6505J 18	5 MFD 450 V PL 25 x 48 WIRE & SLV 250 MM	25 x 48	5	450	ISI	D	A
	B32328E6605J 18	6 MFD 450 V PL 25 x 55 WIRE & SLV 250 MM	25 x 55	6	450	ISI	D	A
	B32328E5106J 18	10 MFD 440 V PL 30 x 60 WW 250 (200 SLV+35+15)	30 x 60	10	440	ISI	D	A
	B32328E6126J 518	12.5 MFD 450 V PL 35 x 60 WW 200 SLV+35+15	35 x 60	12.5	450	ISI	D	A
	B32328E5206J 10	20 MFD 440 V PP 35 x 70 PF WIRE 180+30+15 SLV	35 x 70	20	440	ISI	D	A
	B32328E5256J 10	25 MFD 440 V PP 40 x 71 PF WIRE 180+30+15 SLV	40 x 71	25	440	ISI	D	A
	B32328E6805J 18	8 MFD 450 V PL 30 x 60 WW 200 SLV+35+15	30 x 60	8	450	ISI	D	A
	B32328E6126J 528	12.5 MFD 450 V PL BLACK 35 x 60 WW 200 SLV+35+15	35 x 60	12.5	450	ISI	D	A
	B32328E6156J 18	15 MFD 450 V PL 35 x 60 WW 200 SLV+35+15	35 x 60	15	450	ISI	D	A
	B32328E5226J 512	22.5 MFD 440 V PL 40 x 70 WW 80 SLV+20+10	40 x 70	22.5	440	ISI	D	A
	B32328E5226J 512	22.5 MFD 440 V PL 40 X70 WW 80 SLV+20+10	40 x 70	22.5	440	ISI	D	A
	B32328E6306J 18	30 MFD 450 V PL 35 x 95 WW 200 SLV+35+15	35 x 95	30	450	ISI	D	A
	B32328E6306J 18	30 MFD 450 V PL 35 x 95 WW 200 SLV+35+15	35 X 95	30	450	ISI	D	A
	B32328E6366J 18	36 MFD 450 V PL 35 x 95 WW 200 SLV+35+15	35 x 95	36	450	ISI	D	A
	B32328E6366J 18	36 MFD 450 V PL35 x 95 WW 200 SLV+35+15	35 x 95	36	450	ISI	D	A
	B32328E6406J 18	40 MFD 450 V PL 40 x 95 WW 200 SLV+35+15	40 x 95	40	450	ISI	D	A
	B32328E6456J 18	45 MFD 450 V PL 40 x 95 WW 200 SLV+35+15	40 x 95	45	450	ISI	D	A
	B32328E6506J 18	50 MFD 450 V PL 45 x 95 WW 200 SLV+35+15	45 x 95	50	450	ISI	D	A
	B32328E6726J 10	72 MFD450 V PL 50 x 105 PFT 150+35+15 WIRE SLV	50 x 105	72	450	ISI	D	A
	B32328E6106J 15	10 MFD450 V PL 30 x 60 PF WW 100 SLV+30+20	30 x 60	10	450	ISI	D	A
B32328F	B32328F5556J 23	55 MFD 440 V PP 45 x 95 (P) WIRE 250+25+15 SLV	45 x 95	55	440	ISI	D	A
B32328R	B32328R5156J123	15 MFD 440 V PL 40 x 71PFT 250+25+15 WIRE SLV	40 x 71	15	440	ISI	D	A
	B32328R5206J 23	20 MFD440 V PL 40 x 70 PFT 250+25+15 WIRE SLV	40 x 70	20	440	ISI	B	A
	B32328R5256J 23	25 MFD440 V PP 45 x 70 PFT 250+25+15 WIRE SLV	45 x 70	25	440	ISI	B	A
	B32328R5306J 23	30 MFD440 V PL 40 x 95 PFT 250+25+15 WIRE SLV	40 x 95	30	440	ISI	B	A
	B32328R5366J 23	36 MFD440 V PP 45 x 95 PFT 250+25+15 WIRE SLV	45 x 95	36	440	ISI	B	A
	B32328R5406J 23	40 MFD 440 V PP 45 x 95 PF WIRE 250+25+15SLV	45 x 95	40	440	ISI	B	A
	B32328R5456J 23	45 MFD 440 V PP 50 x 95 PFT 250+25+15 WIRE SLV	50 x 95	45	440	ISI	B	A
	B32328R5506J 23	50 MFD 440 V PL 50 x 95 PFT 250+25+15 WIRE SLV	50 x 95	50	440	ISI	B	A
	B32328R5156A 20	15 MFD 440 V PL 45 x 71WW 255 (170 SLV) EYEGILT	45 x 71	15	440	ISI	B	B
	B32328R5256A 20	25 MFD 440 V PL 45 x 95 WW 255 (170 SLV) EYEGILT	45 x 95	25	440	ISI	B	B

Film Capacitors

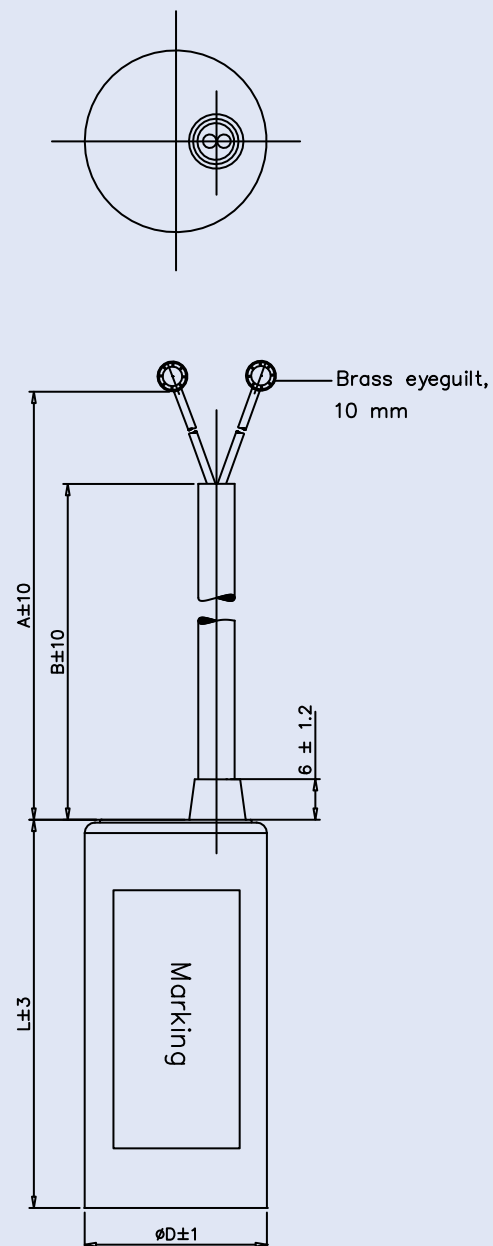
AC Capacitors

Dimensional Drawing

Terminal type A



Terminal type B



Notes:

Termination type A

Dimension B = Sleeve length

Dimension C = Wire length without sleeve

Dimension D = Strip out length

Termination type B

Dimension B = Sleeve length

Dimension A = Total wire length