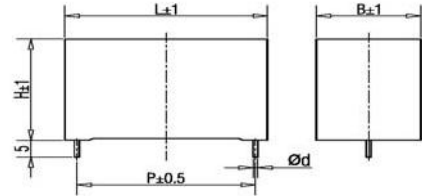




XAR series / AC Applications

GENERAL TECHNICAL CHARACTERISTICS

Reference standards : IEC61071- 60068
 Dielectric : Polypropylene film
 Construction : Dry construction, filled by solid resin, Non-inductive type
 Coating : Solvent resistant plastic case with resin sealing
 Flame retardant execution (UL94V-0)
 Leads: Tinned copper wire



ELECTRICAL CHARACTERISTICS

Operating temperature range(case) : - 40 to + 85 °C
 Capacitance : 0.1 to 40µF
 Rated Voltage : 250 to 500 VAC
 Tolerance : ± 5% , ± 10%
 Dissipation factor: $\leq 2 \times 10^{-3}$ Measured at 1000±20 Hz and 25±5°C
 Life expectancy : 30,000 hours at Urms and 70 °C(Hot-spot temperature)

TEST METHODS AND PERFORMANCES

Dielectric strength: 1.6 Urms applied for 10s at 25±5°C
 Test voltage terminal to case : 3kVAC/50Hz for 60s
 Insulation resistance : ≥ 5000 s ,(typical value), after 1 minute of electrification at 100Vdc (25±5°C)

Electrical specifications, ordering codes

Cap (µF)	L	B	Dimension (mm)			du/dt (v/µs)	Ordering Code
			H	P	d		
Urms 250VAC/50-60Hz , Upeak 375V							
0.33	26.5	7.0	16.0	22.5	0.8	56	XAR-250-0.33-22.5&
0.39	26.5	7.0	16.0	22.5	0.8	56	XAR-250-0.39-22.5&
0.47	26.5	7.0	16.0	22.5	0.8	56	XAR-250-0.47-22.5&
0.56	26.5	8.5	17.0	22.5	0.8	56	XAR-250-0.56-22.5&
0.68	26.5	8.5	17.0	22.5	0.8	56	XAR-250-0.68-22.5&
0.68	31.0	9.0	18.0	27.5	0.8	45	XAR-250-0.68-27.5&
0.82	26.5	10.0	18.5	22.5	0.8	56	XAR-250-0.82-22.5&
0.82	31.0	9.0	18.0	27.5	0.8	45	XAR-250-0.82-27.5&
1.0	26.5	10.0	18.5	22.5	0.8	56	XAR-250-1.0-22.5&
1.0	31.0	9.0	18.0	27.5	0.8	45	XAR-250-1.0-27.5&
1.2	26.5	11.0	20.0	22.5	0.8	56	XAR-250-1.2-22.5&
1.2	31.0	9.0	18.0	27.5	0.8	45	XAR-250-1.2-27.5&
1.5	26.5	12.0	22.0	22.5	0.8	56	XAR-250-1.5-27.5&
1.5	31.0	11.0	20.0	27.5	0.8	45	XAR-250-1.5-27.5&
1.8	31.0	11.0	20.0	27.5	0.8	45	XAR-250-1.8-27.5&
2.0	31.0	13.0	22.0	27.5	0.8	45	XAR-250-2.0-27.5&
2.2	31.0	13.0	22.0	27.5	0.8	45	XAR-250-2.0-27.5&
2.5	31.0	15.0	24.5	27.5	0.8	45	XAR-250-2.5-27.5&
3.0	31.0	15.0	24.5	27.5	0.8	45	XAR-250-3.0-27.5&
3.3	31.0	15.0	24.5	27.5	0.8	45	XAR-250-3.3-27.5&
3.5	31.0	17.0	28.0	27.5	0.8	45	XAR-250-3.5-27.5&
4.0	31.0	17.0	28.0	27.5	0.8	45	XAR-250-4.0-27.5&
4.5	31.0	17.0	28.0	27.5	0.8	45	XAR-250-4.5-27.5&
4.7	31.0	18.0	33.0	27.5	0.8	45	XAR-250-4.7-27.5&
4.7	42.5	15.0	26.0	37.5	1.0	30	XAR-250-4.7-37.5&
5.0	31.0	18.0	33.0	27.5	0.8	45	XAR-250-5.0-27.5&
5.0	42.5	15.0	26.0	37.5	1.0	30	XAR-250-5.0-37.5&
6.0	42.5	17.0	28.0	37.5	1.0	30	XAR-250-6.0-37.5&
6.5	42.5	17.0	28.0	37.5	1.0	30	XAR-250-6.5-37.5&
8.0	42.5	22.0	30.0	37.5	1.0	30	XAR-250-8.0-37.5&

31.XAR Series – AC Application



XAR series / AC Applications

Electrical specifications, ordering codes

Cap (μ F)	Dimension (mm)					du/dt (v/ μ s)	Ordering Code
	L	B	H	P	d		
Urms 250VAC/50-60Hz , Upeak 375V							
10	42.5	22.0	30.0	37.5	1.0	30	XAR-250-10-37.5&
12	42.5	28.0	37.0	37.5	1.0	30	XAR-250-12-37.5&
15	42.5	28.0	37.0	37.5	1.0	30	XAR-250-15-37.5&
18	42.5	33.0	45.0	37.5	1.0	30	XAR-250-18-37.5&
20	42.5	33.0	45.0	37.5	1.0	30	XAR-250-20-37.5&
25	57.5	30.0	45.0	52.5	1.2	20	XAR-250-25-52.5&
30	57.5	30.0	45.0	52.5	1.2	20	XAR-250-30-52.5&
35	57.5	35.0	50.0	52.5	1.2	20	XAR-250-35-52.5&
40	57.5	35.0	50.0	52.5	1.2	20	XAR-250-40-52.5&
Urms 320VAC/50-60Hz , Upeak 480V							
0.33	26.5	7.0	16.0	22.5	0.8	73	XAR-320-0.33-22.5&
0.39	26.5	7.0	16.0	22.5	0.8	73	XAR-320-0.39-22.5&
0.47	26.5	8.5	17.0	22.5	0.8	73	XAR-320-0.47-22.5&
0.56	26.5	8.5	17.0	22.5	0.8	73	XAR-320-0.56-22.5&
0.68	26.5	10.0	18.5	22.5	0.8	73	XAR-320-0.68-22.5&
0.68	31.0	9.0	18.0	27.5	0.8	59	XAR-320-0.68-27.5&
0.82	26.5	11.0	20.0	22.5	0.8	73	XAR-320-0.82-22.5&
0.82	31.0	9.0	18.0	27.5	0.8	59	XAR-320-0.82-27.5&
1.0	26.5	12.0	22.0	22.5	0.8	73	XAR-320-1.0-22.5&
1.0	31.0	11.0	20.0	27.5	0.8	59	XAR-320-1.0-27.5&
1.2	31.0	11.0	20.0	27.5	0.8	59	XAR-320-1.2-27.5&
1.5	31.0	13.0	22.0	27.5	0.8	59	XAR-320-1.5-27.5&
1.8	31.0	15.0	24.5	27.5	0.8	59	XAR-320-1.8-27.5&
2.0	31.0	15.0	24.5	27.5	0.8	59	XAR-320-2.0-27.5&
2.2	31.0	15.0	24.5	27.5	0.8	59	XAR-320-2.2-27.5&
2.5	31.0	17.0	28.0	27.5	0.8	59	XAR-320-2.5-27.5&
2.7	31.0	17.0	28.0	27.5	0.8	59	XAR-320-2.7-27.5&
3.0	31.0	17.0	28.0	27.5	0.8	59	XAR-320-3.0-27.5&
3.0	42.5	15.0	26.0	37.5	1.0	39	XAR-320-3.0-37.5&
3.3	31.0	18.0	33.0	27.5	0.8	59	XAR-320-3.3-37.5&
3.3	42.5	15.0	26.0	37.5	1.0	39	XAR-320-3.3-37.5&
3.5	31.0	18.0	33.0	27.5	0.8	59	XAR-320-3.5-27.5&
3.5	42.5	15.0	26.0	37.5	1.0	39	XAR-320-3.5-37.5&
4.0	31.0	18.0	33.0	27.5	0.8	59	XAR-320-4.0-27.5&
4.0	42.5	17.0	28.0	37.5	1.0	39	XAR-320-4.0-37.5&
4.5	42.5	17.0	28.0	37.5	1.0	39	XAR-320-4.5-37.5&
4.7	42.5	17.0	28.0	37.5	1.0	39	XAR-320-4.7-37.5&
5.0	42.5	22.0	30.0	37.5	1.0	39	XAR-320-5.0-37.5&
6.0	42.5	22.0	30.0	37.5	1.0	39	XAR-320-6.0-37.5&
6.8	42.5	22.0	30.0	37.5	1.0	39	XAR-320-6.8-37.5&
8.0	42.5	28.0	37.0	37.5	1.0	39	XAR-320-8.0-37.5&
10	42.5	28.0	37.0	37.5	1.0	39	XAR-320-10-37.5&
11	42.5	28.0	37.0	37.5	1.0	39	XAR-320-11-37.5&
12	42.5	33.0	45.0	37.5	1.0	39	XAR-320-12-37.5&
13	42.5	33.0	45.0	37.5	1.0	39	XAR-320-13-37.5&
14	42.5	33.0	45.0	37.5	1.0	39	XAR-320-14-37.5&
15	42.5	33.0	45.0	37.5	1.0	39	XAR-320-15-37.5&
18	57.5	30.0	45.0	52.5	1.2	26	XAR-320-18-52.5&
20	57.5	30.0	45.0	52.5	1.2	26	XAR-320-20-52.5&
22	57.5	30.0	45.0	52.5	1.2	26	XAR-320-22-52.5&
25	57.5	35.0	50.0	52.5	1.2	26	XAR-320-25-52.5&

28	57.5	35.0	50.0	52.5	1.2	26	XAR-320-28-52.5&	

.32XAR Series – AC Application



XAR series / AC Applications

Electrical specifications, ordering codes

Cap (μ F)	Dimension (mm)					du/dt (v/ μ s)	Ordering Code
	L	B	H	P	d		
Urms 400VAC/50-60Hz , Upeak 600V							
0.10	26.5	7.0	16.0	22.5	0.8	113	XAR-400-0.10-22.5&
0.12	26.5	7.0	16.0	22.5	0.8	113	XAR-400-0.12-22.5&
0.15	26.5	8.5	17.0	22.5	0.8	113	XAR-400-0.15-22.5&
0.22	26.5	8.5	17.0	22.5	0.8	113	XAR-400-0.22-22.5&
0.27	26.5	8.5	17.0	22.5	0.8	113	XAR-400-0.27-22.5&
0.33	26.5	10.0	18.5	22.5	0.8	113	XAR-400-0.33-22.5&
0.33	31.0	11.0	20.0	27.5	0.8	91	XAR-400-0.33-27.5&
0.39	26.5	10.0	18.5	22.5	0.8	113	XAR-400-0.39-22.5&
0.39	31.0	11.0	20.0	27.5	0.8	91	XAR-400-0.39-27.5&
0.47	26.5	11.0	20.0	22.5	0.8	113	XAR-400-0.47-22.5&
0.47	31.0	11.0	20.0	27.5	0.8	91	XAR-400-0.47-27.5&
0.56	26.5	11.0	20.0	22.5	0.8	113	XAR-400-0.56-22.5&
0.56	31.0	11.0	20.0	27.5	0.8	91	XAR-400-0.56-27.5&
0.62	26.5	12.0	22.0	22.5	0.8	113	XAR-400-0.62-22.5&
0.62	31.0	11.0	20.0	27.5	0.8	91	XAR-400-0.62-27.5&
0.68	26.5	12.0	22.0	22.5	0.8	113	XAR-400-0.68-22.5&
0.68	31.0	11.0	20.0	27.5	0.8	91	XAR-400-0.68-27.5&
0.75	31.0	17.0	28.0	27.5	0.8	91	XAR-400-0.75-27.5&
0.82	31.0	17.0	28.0	27.5	0.8	91	XAR-400-0.82-27.5&
1.0	31.0	15.0	24.5	27.5	0.8	91	XAR-400-1.0-27.5&
1.2	31.0	15.0	24.5	27.5	0.8	91	XAR-400-1.2-27.5&
1.5	31.0	18.0	33.0	27.5	0.8	91	XAR-400-1.5-27.5&
1.5	42.5	15.0	26.0	37.5	1.0	60	XAR-400-1.5-37.5&
1.8	31.0	18.0	33.0	27.5	0.8	91	XAR-400-1.8-27.5&
1.8	42.5	15.0	26.0	37.5	1.0	60	XAR-400-1.8-37.5&
2.0	31.0	18.0	33.0	27.5	0.8	91	XAR-400-2.0-27.5&
2.0	42.5	15.0	26.0	37.5	1.0	60	XAR-400-2.0-37.5&
2.2	31.0	18.0	33.0	27.5	0.8	91	XAR-400-2.2-27.5&
2.2	42.5	17.0	28.0	37.5	1.0	60	XAR-400-2.2-37.5&
2.5	42.5	17.0	28.0	37.5	1.0	60	XAR-400-2.5-37.5&
3.0	42.5	22.0	30.0	37.5	1.0	60	XAR-400-3.0-37.5&
3.3	42.5	22.0	30.0	37.5	1.0	60	XAR-400-3.3-37.5&
3.5	42.5	22.0	30.0	37.5	1.0	60	XAR-400-3.5-37.5&
5.5	42.5	28.0	37.0	37.5	1.0	60	XAR-400-5.5-37.5&
6.0	42.5	28.0	37.0	37.5	1.0	60	XAR-400-6.0-37.5&
6.3	42.5	28.0	37.0	37.5	1.0	60	XAR-400-6.3-37.5&
6.8	42.5	33.0	45.0	37.5	1.0	60	XAR-400-6.8-37.5&
7.0	42.5	33.0	45.0	37.5	1.0	60	XAR-400-7.0-37.5&
8.0	42.5	33.0	45.0	37.5	1.0	60	XAR-400-8.0-37.5&
8.5	42.5	33.0	45.0	37.5	1.0	60	XAR-400-8.5-37.5&
10	57.5	30.0	45.0	52.5	1.2	40	XAR-400-10-52.5&
12	57.5	30.0	45.0	52.5	1.2	40	XAR-400-12-52.5&
15	57.5	35.0	50.0	52.5	1.2	40	XAR-400-15-52.5&
16	57.5	35.0	50.0	52.5	1.2	40	XAR-400-16-52.5&
Urms 500VAC/50-60Hz , Upeak 750V							
0.10	26.5	8.5	17.0	22.5	0.8	208	XAR-500-0.10-22.5&
0.12	26.5	8.5	17.0	22.5	0.8	208	XAR-500-0.12-22.5&
0.15	26.5	10.0	18.5	22.5	0.8	208	XAR-500-0.15-22.5&
0.18	26.5	10.0	18.5	22.5	0.8	208	XAR-500-0.18-22.5&
0.18	31.0	9.0	18.0	27.5	0.8	166	XAR-500-0.18-27.5&

0.22	26.5	11.0	20.0	22.5	0.8	208	XAR-500-0.22-22.5&	
0.22	31.0	11.0	20.0	27.5	0.8	166	XAR-500-0.22-27.5&	

33.XAR Series – AC Application



XAR series / AC Applications

Electrical specifications, ordering codes

Cap (μ F)	Dimension (mm)					du/dt (v/ μ s)	Ordering Code
	L	B	H	P	d		
Urms 500VAC/50-60Hz , Upeak 750V							
0.27	26.5	12.0	22.0	22.5	0.8	208	XAR-500-0.27-22.5&
0.27	31.0	11.0	20.0	27.5	0.8	166	XAR-500-0.27-27.5&
0.33	31.0	13.0	22.0	27.5	0.8	166	XAR-500-0.33-27.5&
0.39	31.0	13.0	22.0	27.5	0.8	166	XAR-500-0.39-27.5&
0.47	31.0	15.0	24.5	27.5	0.8	166	XAR-500-0.47-27.5&
0.56	31.0	15.0	24.5	27.5	0.8	166	XAR-500-0.56-27.5&
0.68	31.0	17.0	28.0	27.5	0.8	166	XAR-500-0.68-27.5&
0.68	42.5	15.0	26.0	37.5	1.0	111	XAR-500-0.68-37.5&
0.75	31.0	17.0	28.0	27.5	0.8	166	XAR-500-0.75-27.5&
0.75	42.5	15.0	26.0	37.5	1.0	111	XAR-500-0.75-37.5&
0.82	31.0	18.0	33.0	27.5	0.8	166	XAR-500-0.82-27.5&
0.82	42.5	15.0	26.0	37.5	1.0	111	XAR-500-0.82-37.5&
1.0	31.0	18.0	33.0	27.5	0.8	166	XAR-500-1.0-27.5&
1.0	42.5	17.0	28.0	37.5	1.0	111	XAR-500-1.0-37.5&
1.2	42.5	22.0	30.0	37.5	1.0	111	XAR-500-1.2-37.5&
1.5	42.5	22.0	30.0	37.5	1.0	111	XAR-500-1.5-37.5&
1.8	42.5	28.0	37.0	37.5	1.0	111	XAR-500-1.8-37.5&
2.0	42.5	28.0	37.0	37.5	1.0	111	XAR-500-2.0-37.5&
2.2	42.5	28.0	37.0	37.5	1.0	111	XAR-500-2.2-37.5&
2.5	42.5	28.0	37.0	37.5	1.0	111	XAR-500-2.5-37.5&
2.7	42.5	28.0	37.0	37.5	1.0	111	XAR-500-2.7-37.5&
3.0	42.5	33.0	45.0	37.5	1.0	111	XAR-500-3.0-37.5&
3.3	42.5	33.0	45.0	37.5	1.0	111	XAR-500-3.3-37.5&
3.5	42.5	33.0	45.0	37.5	1.0	111	XAR-500-3.5-37.5&
4.0	57.5	30.0	45.0	52.5	1.2	74	XAR-500-4.0-52.5&
4.5	57.5	30.0	45.0	52.5	1.2	74	XAR-500-4.5-52.5&
5.0	57.5	30.0	45.0	52.5	1.2	74	XAR-500-5.0-52.5&
6.0	57.5	35.0	50.0	52.5	1.2	74	XAR-500-6.0-52.5&
6.5	57.5	35.0	50.0	52.5	1.2	74	XAR-500-6.5-52.5&
7.0	57.5	35.0	50.0	52.5	1.2	74	XAR-500-7.0-52.5&

XAR - Series	500 - Voltage	5.0 - Capacitance	37.5& Dimension and terminal
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37.5 Lead Pitch

& Lead length, none for 5mm, L for 30mm

.34XAR Series – AC Application