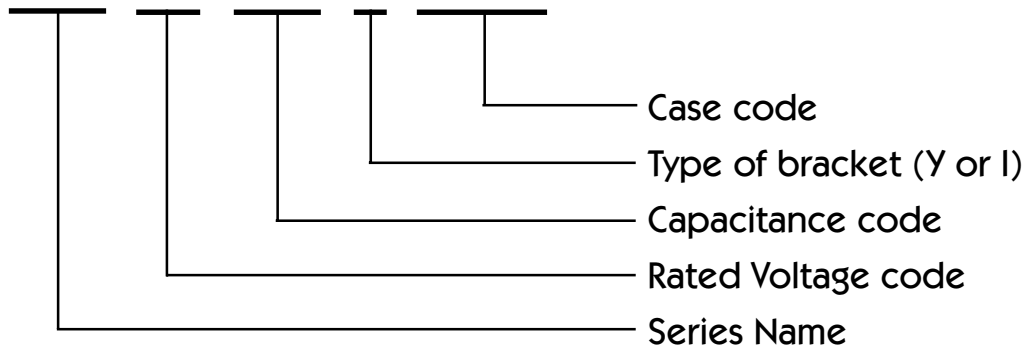


ALUMINUM ELECTROLYTIC CAPACITORS

Product Numbering System for FXA, FXR, FX2, GXA, GXR, GX2, GXH and HXA Series

Example: FXA Series, 400V, 4,700 μ F \pm 20%, Y bracket, 64 x 155mm

FXA 2G 472 Y D16R



Capacitance Code: To determine Capacitance code use the first 2 digits of the Capacitance followed by the number of zeros. Using the above example of 4,700: 47 + 2 zeros = 472.

FXA Series, FXR Series and FX2 Series

Ripple Current Correction Coefficient

| Temperature (°C) | 40 | 60 | 85 |
|------------------------|------|------|------|
| Correction Coefficient | 1.89 | 1.67 | 1.00 |

| Frequency (Hz) | 50/60 | 120 | 300 | 1K | \geq 10K |
|------------------------|-------|-----|-----|-----|------------|
| Correction Coefficient | 0.7 | 1.0 | 1.1 | 1.3 | 1.4 |

FXA Series

•Life rating to 5000 hours at 85°C

•Temperature range -40°C to +85°C

| Rated Voltage (WVDC) | Part Number | Capacitance | Case Size \varnothing D x L (mm) | Maximum Ripple Current (A rms) @85°C, 120Hz | Maximum ESR (m Ω) | Typical ESL (nH) |
|-------------------------|---------------|-------------|------------------------------------|---|---------------------------|------------------|
| 350 Volts (Code: 2V) | FXA2V122YC8R | 1,200 | 51 X 75 | 5.5 | 65 | 25 |
| | FXA2V152YC8R | 1,500 | 51 X 75 | 6.1 | 53 | 25 |
| | FXA2V182YC10R | 1,800 | 51 X 96 | 7.4 | 44 | 25 |
| | FXA2V222YC10R | 2,200 | 51 X 96 | 8.2 | 28 | 25 |
| | FXA2V272YC13R | 2,700 | 51 X 130 | 10.2 | 27 | 25 |
| | FXA2V332YC13R | 3,300 | 51 X 130 | 11.3 | 21 | 30 |
| | FXA2V392YD12R | 3,900 | 64 X 115 | 12.8 | 18 | 30 |
| | FXA2V472YD13R | 4,700 | 64 X 130 | 14.8 | 16 | 30 |
| | FXA2V562YD16R | 5,600 | 64 X 155 | 17.3 | 14 | 40 |
| | FXA2V562YE12R | | 77 X 115 | 16.3 | 14 | 40 |
| | FXA2V682YD20R | 6,800 | 64 X 195 | 21.1 | 12 | 50 |
| | FXA2V682YE13R | | 77 X 130 | 18.8 | 14 | 50 |
| | FXA2V822YE16R | 8,200 | 77 X 155 | 22.1 | 12 | 50 |
| | FXA2V103YF16R | 10,000 | 90 X 157 | 25.9 | 10 | 50 |
| | FXA2V123YF16R | 12,000 | 90 X 157 | 28.4 | 8 | 50 |
| | FXA2V153YF20R | 15,000 | 90 X 196 | 34.6 | 6 | 60 |
| FXA2V183YF24R | 18,000 | 90 X 236 | 41.1 | 5 | 70 | |

HITACHI AIC

ALUMINUM ELECTROLYTIC CAPACITORS

FXA Series



- Life rating to 5000 hours at 85°C
- Temperature range -40°C to +85°C

| Rated Voltage (WVDC) | Part Number | Capacitance | Case Size ØD x L (mm) | Maximum Ripple Current (A rms) @85° C, 120Hz | Maximum ESR (mΩ) | Typical ESL (nH) |
|-------------------------|---------------|-------------|-----------------------|--|------------------|------------------|
| 400 Volts (Code: 2G) | FXA2G102YC8R | 1,000 | 51 X 75 | 5.0 | 78 | 20 |
| | FXA2G122YC8R | 1,200 | 51 X 75 | 5.5 | 69 | 20 |
| | FXA2G152YC10R | 1,500 | 51 X 96 | 6.7 | 50 | 25 |
| | FXA2G182YC10R | 1,800 | 51 X 96 | 7.4 | 40 | 25 |
| | FXA2G222YC13R | 2,200 | 51 X 130 | 9.2 | 28 | 25 |
| | FXA2G272YD10R | 2,700 | 64 X 96 | 9.9 | 24 | 25 |
| | FXA2G332YD12R | 3,300 | 64 X 115 | 11.8 | 21 | 30 |
| | FXA2G392YD13R | 3,900 | 64 X 130 | 13.5 | 18 | 30 |
| | FXA2G472YD16R | 4,700 | 64 X 155 | 15.9 | 16 | 30 |
| | FXA2G472YE13R | | 77 X 130 | 14.9 | 14 | 30 |
| | FXA2G562YD20R | 5,600 | 64 X 195 | 19.1 | 14 | 40 |
| | FXA2G562YE13R | | 77 X 130 | 17.0 | 12 | 40 |
| | FXA2G682YE16R | 6,800 | 77 X 155 | 20.2 | 14 | 50 |
| | FXA2G822YF16R | 8,200 | 90 X 157 | 23.5 | 12 | 50 |
| | FXA2G103YF16R | 10,000 | 90 X 157 | 25.9 | 10 | 50 |
| FXA2G123YF20R | 12,000 | 90 X 196 | 31.0 | 8 | 50 | |
| FXA2G153YF24R | 15,000 | 90 X 236 | 37.5 | 6 | 60 | |
| 450 Volts (Code: 2W) | FXA2W102YC8R | 1,000 | 51 X 75 | 5.0 | 95 | 20 |
| | FXA2W122YC10R | 1,200 | 51 X 96 | 6.0 | 70 | 20 |
| | FXA2W152YC12R | 1,500 | 51 X 115 | 7.2 | 55 | 25 |
| | FXA2W182YC13R | 1,800 | 51 X 130 | 8.3 | 46 | 25 |
| | FXA2W222YD10R | 2,200 | 64 X 96 | 9.0 | 42 | 35 |
| | FXA2W272YD12R | 2,700 | 64 X 115 | 10.7 | 38 | 35 |
| | FXA2W332YD13R | 3,300 | 64 X 130 | 12.4 | 30 | 35 |
| | FXA2W392YD16R | 3,900 | 64 X 155 | 14.4 | 27 | 35 |
| | FXA2W392YE12R | | 77 X 115 | 13.6 | 24 | 35 |
| | FXA2W472YD20R | 4,700 | 64 X 195 | 17.5 | 20 | 35 |
| | FXA2W472YE13R | | 77 X 130 | 15.6 | 22 | 35 |
| | FXA2W562YE16R | 5,600 | 77 X 155 | 18.3 | 20 | 50 |
| | FXA2W682YF16R | 6,800 | 90 X 157 | 21.4 | 18 | 50 |
| | FXA2W822YF16R | 8,200 | 90 X 157 | 23.5 | 15 | 50 |
| | FXA2W103YF20R | 10,000 | 90 X 196 | 28.3 | 12 | 50 |
| FXA2W123YF24R | 12,000 | 90 X 236 | 33.6 | 9 | 50 | |