



Leaded Low Impedance Aluminum Electrolytic Capacitors

YXF Series Specifications

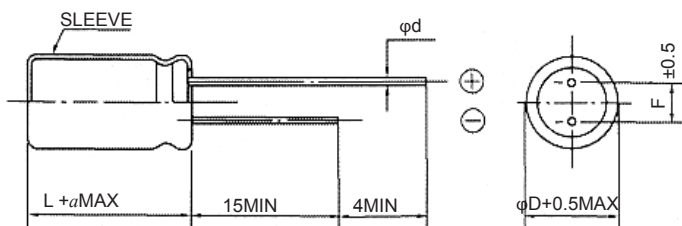


Part Number Determination

50YXF1M5X11				
16	YXK	1	M	5X11
Rated Voltage	Series	Rated Capacitance	Tolerance	Case Size (mm)
10=10V 16=16V 25=25V 35=35V 50=50V	YXK=Leaded Miniature Low Impedance Aluminum Electrolytic Capacitors	1=1.0uF 10=10uF 22=22uF 33=33uF 47=47uF 100=100uF 220=220uF 330=330uF 470=470uF 1000=1000uF	M=±20%	5X11 6.3X11 8X11.5 10X12.5 10X16 10X20 12.5X20 12.5X25 16X25 16X31.5 16X35.5 18X35.5

Package Dimensions (mm)

D	5	6.3	8	10	12.5	16	18
d	0.5		0.6			0.8	
F	2.0	2.5	3.5	5.0		7.5	
a	L≤1.6 : a = 1.5				L≤20 : a = 2.0		



Electrical Characteristics

Cap (uF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1V)		63 (1J)		100 (2A)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1																
0.15																
0.22																
0.33																
0.47																
1.0											5x11	17			5x11	15
2.2											5x11	30			5x11	20
3.3											5x11	43			5x11	30
4.7											5x11	53			5x11	40
10											5x11	88			5x11	65
22											5x11	100	5x11	87	6.3x11	140
33											5x11	150	6.3x11	140	8x11.5	160
47											6.3x11	250	6.3x11	140	10x12.5	230
100	5x11	150	5x11	150	6.3x11	250	6.3x11	185	8x11.5	215	8x11.5	400	10x12.5	300	12.5x20	430
220	6.3x11	250	6.3x11	250	8x11.5	400	8x11.5	310	10x12.5	370	10x16	770	10x20	520	16x25	900
330	6.3x11	250	8x11.5	400	8x11.5	4000	10x12.5	410	10x16	500	10x20	1050	12.5x20	660	16x25	900
470	8x11.5	400	8x11.5	400	10x12.5	580	10x16	550	10x20	680	12.5x20	1300	12.5x25	750		
1000	10x12.5	580	10x16	770	10x20	1050	12.5x20	970	12.5x25	1180	16x25	1850	16x31.5	1350		
2200	12.5x20	1300	12.5x20	1300	12.5x25	1650	16x25	1570	16x31.5	1810	18.35.5	2200				
3300	12.5x20	1300	12.5x25	1650	16x25	1850	16x31.5	2000	18x35.5	2300						
4700	16x25	1850	16x25	1850	16x31.5	2000	18x35.5	2440								
6800	16x25	1850	16x31.5	2000	18x35.5	2200										
10000	16x31.5	2000	18x35.5	2200												
15000	18x35.5	2200														



Leaded Multilayer Ceramic Capacitors

SR Series Skycap®



- **Radial leaded**
- **Conformally coated, multilayer ceramic construction (MLC)**
- **Case material: Epoxy**
- **Wide range of values in stock**

 Page 8	NPO	X7R	Z5U
	10pF - 680pF	1000pF - 0.1uF	0.1uF, 0.22uF

SA Series SpinGuard®



- **Axial leaded**
- **Conformally coated, multilayer ceramic construction (MLC)**
- **Wide range of values in stock**

 Page 9	NPO	X7R	Z5U
	10pF - 0.1uF	1500pF - 0.22uF	0.1uF, 0.22uF

See price list booklet for current price

Radial Leaded Multilayer Ceramic Capacitors

AVX 10pF, (SR152A100KAR) through 0.22uF (SR211E224ZAA)

Axial Leaded Multilayer Ceramic Capacitors

AVX 10pF, (SA052A100JARC) through 1.0uF (SA305E105ZARC)

Engineering Design Kits Available
See Garrett Kit Catalog



Leaded Multilayer Ceramic Capacitors

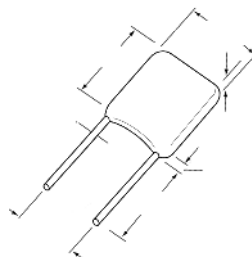
SR Series Skycap® Specifications

Part Number Determination

SR215E104MAA						
SR21	5	E	104	M	A	A
STYLE	VOLTAGE	TEMPERATURE COEFFICIENT	CAPACITANCE	TOLERANCE	FAILURE RATE	LEADS
SR15 SR20 SR21 SR22 SR27 SR30 SR40 SR50	5=50V 1=100V 2=200V 9=300V 8=400V 7=500V	A=NPO C=X7R E=Z5U	2 Significant digits + 1 multiplier 104=0.1uF	C=±.25pF D=±0.5pF F=±1% G=±2% J=±5% K=±10% M=±20% Z=+80-20%	A=Not Applicable	T=Trimmed Leads, .230"±0.30" A=Long Leads, 1.0" minimum R= RoHS compliant

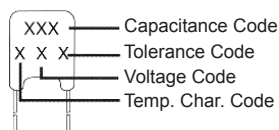
Package Dimensions (mm/in)

STYLE	SR15	SR21
WIDTH (W) Max	3.81 (.150)	5.08 (.200)
HEIGHT (H) Max	3.81 (.150)	5.08 (.200)
THICKNESS (T) Max	2.54 (.100)	5.08 (.200)
LEAD SPACING (LS)	2.54 (.100)	5.08 (.200)
LEAD DIAMETER (LD) Nom	.508 (.020)	.508 (.020)

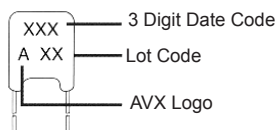


Marking

FRONT



BACK





Leaded Multilayer Ceramic Capacitors

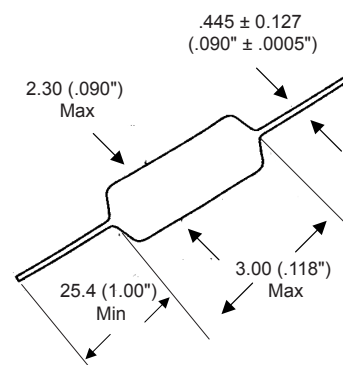
SA Series SpinGuard® Specifications

Part Number Determination

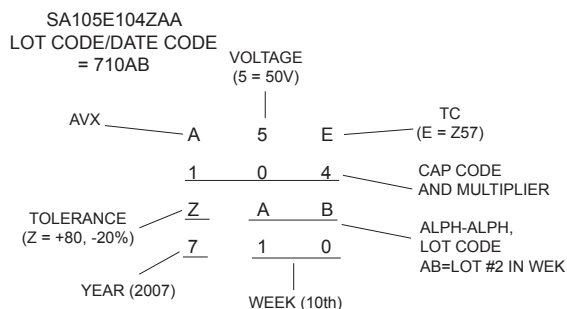
SA105E104ZAR						
SA10	5	E	104	Z	A	R
STYLE	VOLTAGE	TEMPERATURE COEFFICIENT	CAPACITANCE	TOLERANCE	FAILURE RATE	LEADS
SA05 SA10 SA11 SA20 SA30 SA40	Z=10V 5=50V 1=100V 2=200V	A=NPO C=X7R D=X5R E=Z5U	2 Significant digits + 1 multiplier 104=0.1uF	C=±.25pF D=±0.5pF F=±1% G=±2% J=±5% K=±10% M=±20% Z=+80-20%	A=Not Applicable	R=RoHS Compliant A=Sn/Pb

Package Dimensions (mm/in)

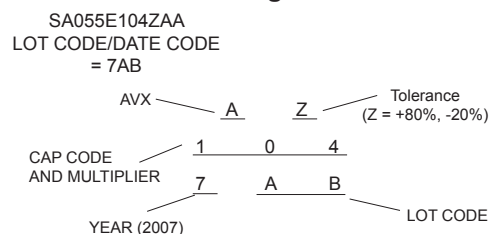
AVX STYLE	SA05	SA10	SA11	SA30	SA40
Length (L)	3.00 (.118")	4.32 (.170")	4.32 (.170")	7.37 (.290")	10.16 (.400")
Diameter (D)	2.30 (.090")	2.54 (.100")	3.05 (.120")	3.81 (.150")	3.81 (.150")
Lead Diameter	.445 (.0175")	.445 (.0175")	.445 (.0175")	.445 (.0175")	.445 (.0175")
Lead Length	25.4 (1.00")	25.4 (1.00")	25.4 (1.00")	25.4 (1.00")	25.4 (1.00")



Marking SA10



Marking SA05





Leaded Tantalum Capacitors

TAP Series Specifications

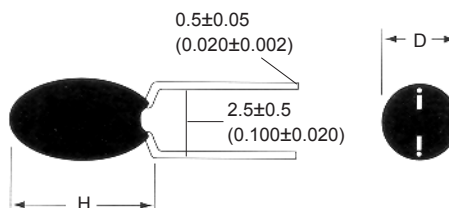


Part Number Determination

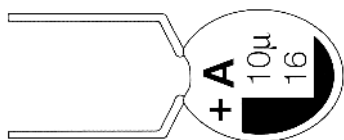
TAP475M035SCS				
TAP	475	M	035	SCS
STYLE	CAPACITANCE CODE	TOLERANCE	VOLTAGE	WIRE FORM & PACKAGING
Solid Tantalum Resin Dipped Capacitors	in pF 2 Significant digits = 1 multiplier	K=±10% M=±20%	006=6.3V 010=10V 016=16V 020=20V 025=25V 035=35V 050=50V	CCS=Wire Form C/ Bulk CRW=Wire Form C/Tape&Reel CRS=Wire Form C/Ammo Tape BRW=Wire Form B/Tape&Reel BRS=Wire form B/Ammo Tape SCS=Wire Form S/Bulk SRW=Wire form S/Tape&Reel SRS=Wire Form S/Ammo Tape

Package Dimensions mm(in)

WIRE FORM	C,F,G,H	B,S,D	D
CASE SIZE	H	*H1	
A	8.5 (0.33)	7.0 (0.28)	4.5 (0.18)
B	9.0 (0.35)	7.5 (0.30)	4.5 (0.18)
C	10.0 (0.39)	8.5 (0.33)	5.0 (0.20)
D	10.5 (0.41)	9.0 (0.35)	5.0 (0.20)
E	10.5 (0.41)	9.0 (.035)	5.5 (0.22)
F	11.5 (0.45)	10.0 (0.39)	6.0 (0.24)
G	11.5 (0.45)	10.0 (0.39)	6.5 (0.26)
H	12.0 (0.47)	10.5 (0.41)	7.0 (0.28)
J	13.0 (0.51)	11.5 (0.45)	8.0 (0.31)
K	14.0 (0.55)	12.5 (0.49)	8.5 (0.33)
L	14.0 (0.55)	12.5 (0.49)	9.0 (0.35)
M	14.5 (0.57)	13.0 (0.51)	9.0 (0.35)
N	16.0 (0.63)		9.0 (0.35)
P	17.9 (0.67)		10.0 (0.39)
R	18.5 (0.73)		10.0 (0.39)



Marking



*Polarity
*Capacitance
*Voltage
*AVX Logo