AXIAL LEADS

SpinGuard®/SA Series



GENERAL INFORMATION

SA Series

Conformally Coated Axial Leaded MLC

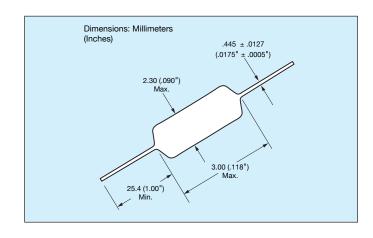
Temperature Coefficients: COG (NPO), X7R, X5R, Z5U

10, 50, 100, 200 Volts

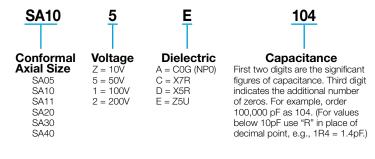
Case Material: Epoxy (Flame Retardant to UL Bulletin

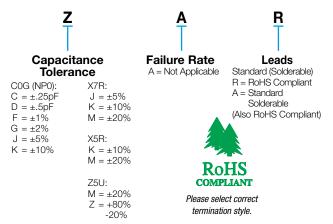
492. Par. 280)

Lead Material: Solderable

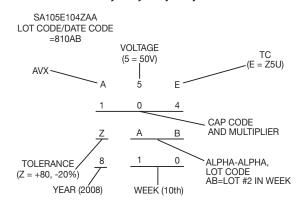


HOW TO ORDER



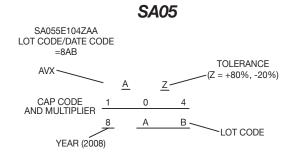


SA10, 11, 20, 30, 40



MARKING (EXAMPLE)

SpinGuard marking includes full date code/lot code identification. A first in the industry, this format provides complete traceability to all manufacturing processes involving the basic chip and final assembly. Total Shipment traceability is also provided.



PACKAGING REQUIREMENTS

A = Standard Reels (see Page 49)

B = 1000 piece reels (distributors only, tight tolerance only)

C = Ammo Pack (see Page 49)

D thru J = See Special Lead Configurations (Page 41)

M = 26mm tape and reel

N = 26mm ammo pack

R = RoHS, Standard reels (See page 49)

AXIAL LEADS





SIZE AND CAPACITANCE SPECIFICATIONS

mensions: Millimeters (Inches)			_	——										
Style Length		SA05 3.00		SA10 4.32			SA11		SA20		SA30		SA40	
						4.32		6.60		7.37		10.16		
	(L)	(.11	18")		(.170")	(.1	70")	(.260")		(.290")		(.400")	
	Diameter	2.3	30		2.54		3.05		2.54		3.81		3.81	
(D)		90.)	90")	(.100")		(.120")		(.100")		(.150")		(.150")		
	Lead Diameter		45	.445		.445		.445		.445		.445		
	Leau Diameter	(.0175")		(.0175") 25.4 (1.00") WVDC		(.0175") 25.4 (1.00") WVDC		(.0175") 25.4 (1.00") WVDC		(.0175") 25.4 (1.00") WVDC		(.0175") 25.4 (1.00") WVDC		
	Lead Length	25.4 (1.00") WVDC												
Сар.	Typical													
in. pF	Part Nos.	100	50	200 100 50		100 50		100 50		100 50		100 50		
1.0*	SA102A1R0DAR													
m _p	m ₂													
9.1*	SA102A9R1DAR													
10	SA102A100JAR													
12	SA102A120JAR													
15	SA102A150JAR													
18	SA102A180JAR													
22	SA102A220JAR													
27 33	SA102A270JAR SA102A330JAR										1		1	+
33 39	SA102A330JAR SA102A390JAR													
39 47	SA102A390JAN SA102A470JAR													
56	SA102A560JAR													+
68	SA102A680JAR													
82	SA102A820JAR													
100	SA102A101JAR													
120	SA102A121JAR													
150	SA101A151JAR													
180	SA101A181JAR													
220	SA101A221JAR													
270	SA101A271JAR													
330	SA101A331JAR													
390	SA101A391JAR													
470	SA101A471JAR							-		-	1	-	1	+
560	SA101A561JAR													
680 820	SA101A681JAR SA101A821JAR													
1000	SA101A621JAR SA105A102JAR			+							+	1		+
1200	SA201A122JAR													
1500	SA201A152JAR													
1800	SA205A182JAR			1										\vdash
2200	SA301A222JAR													
2700	SA301A272JAR													
3300	SA301A332JAR													
3900	SA301A392JAR													
4700	SA305A472JAR			1					1	1				<u> </u>
5600	SA401A562JAR													
6800	SA401A682JAR													
8200	SA405A822JAR			+	-				+	+	+	-		
10,000 12,000	SA405A103JAR SA405A123JAR													

- For other tolerances see Part No. Codes - For other voltages see Part No. Codes - KYOCERA AVX Style

= Industry preferred values

*"C&D" Tolerance Only

AXIAL LEADS/





SIZE AND CAPACITANCE SPECIFICATIONS

Style		SA05		SA10		SA11		SA20		SA30		SA40			
Length (L)				4.32 (.170")		4.32 (.170")		6.60 (.260")		7.37 (.290")		10.16 (.400")			
														Diameter	
	Diameter (D)		2.30 .090")			2.54 (.100"	,	(.120")		(.100")		(.150")		3.81 (.150")	
Lead		· · · /		/		` '				`		.445 (.0175")			
	Lead Diameter	.445 (.0175")		.445 (.0175") 25.4 (1.00")		.445 (.0175")		.445 (.0175")		.445 (.0175")					
			, ,												
	Lead	25.4				.	25.4		25.4		25.4		25.4 (1.00")		
Length		(1.00")		` '		(1.00")		(1.00")		(1.00")		, ,			
Cap.	Typical	WVDC			WVDC	;	WV	DC	WVDC		WVDC		WVDC		
in. pF	Part Nos.	200	100	50	200	100	50	100	50	100	50	100	50	100	50
220	SA102C221KAR														
270	SA102C271KAR														
330	SA102C331KAR														
390	SA102C391KAR														
470	SA102C471KAR														
560	SA101C561KAR													-	
680	SA101C681KAR														
820 1000	SA101C821KAR SA101C102KAR														
1200	SA101C102KAR SA101C122KAR														
1500	SA101C122KAR SA101C152KAR														
1800	SA101C132KAR														
2200	SA101C222KAR														
2700	SA101C272KAR														
3300	SA101C332KAR														
3900	SA101C392KAR														
4700	SA101C472KAR														
5600	SA101C562KAR														
6800	SA101C682KAR														
8200	SA105C822KAR														
10,000 12.000	SA105C103KAR SA105C123KAR														
15,000	SA105C123KAR SA105C153KAR														
18,000	SA105C133KAR SA105C183KAR														
22,000	SA105C223KAR														
27,000	SA105C273KAR														
33,000	SA105C333KAR														
39,000	SA105C393KAR	Ì													
47,000	SA105C473KAR														
56,000	SA115C563KAR														
68,000	SA115C683KAR														
82,000	SA115C823KAR														
00,000 20,000	SA115C104KAR SA305C124KAR		_												
150,000	SA305C124KAR SA305C154KAR														
180,000	SA305C134KAR SA305C184KAR														
220,000	SA305C224KAR		-												
270,000	SA305C274KAR														
30,000	SA305C334KAR														
170,000	SA405C474KAR														
000.000	SA305C105KAR		l			1	1			1					

For other tolerances see Part No. Codes

For other voltages see Part No. Codes Style

= Industry preferred values

AXIAL LEADS/SPINGUARD®





SIZE AND CAPACITANCE SPECIFICATIONS

	Style	SA05	SA	SA10		SA11		SA20		SA30		SA40	
	Length		_	.32	_	.32	6.60		7.37		10.16		
(L)		3.00 (.118")		(.170")		(.170")		(.260")		(.290")		(.400")	
Diameter (D)		2.30	<u> </u>	2.54		3.05		2.54		3.81		3.81	
		(.090")	(.100")		(.120")		(.100")		(.150")		(.150")		
Lead		.445	.445		.445		.445		.445		.445		
Diameter Lead		(.0175")	(.01	(.0175")		(.0175")		(.0175")		(.0175")		(.0175") 25.4	
		25.4	2										
	Length	(1.00")	(1.00")		(1.00")		(1.00")		(1.00")		(1.00")		
Cap. Typical		WVDC	WVDC		WVDC		WVDC		WVDC		WVDC		
in. pF	Part Nos.	50	100	50	100	50	100	50	100	50	100	50	
10,000	SA105E103ZAR												
15,000	SA105E153ZAR												
22,000	SA105E223ZAR												
33,000	SA105E333ZAR												
47,000	SA105E473ZAR												
68,000	SA105E683ZAR												
*100,000	SA105E104ZAR												
150,000	SA105E154ZAR												
220,000	SA105E224ZAR												
330,000	SA115E334ZAR												
470,000	SA305E474ZAR												
680,000	SA305E684ZAR												
820,000	SA305E824ZAR												
,000,000	SA305E105ZAR												

= Industry preferred values

^{*}Preferred Industry Decoupling Capacitor — Insertable on .300" centers. **SA105E104ZAA**