

FEATURES

- Unencapsulated stacked metallized high temperature polyethylene terephthalate (PET) film construction, non-inductive.
- High CV, small sizes in EIA 1206, 1210, 1812, 2220, 2824, 4030, 5040, & 6054.
- Wide temperature range (-55°C ~ +125°C).
- Reflow soldering only.
- Tape/reel package available in all sizes.
- High heat and moisture resistance.
- Stable temperature, frequency and bias characteristics.
- Excellent thermal shock resistance.

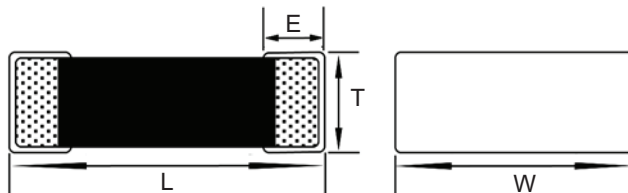
PART NUMBERING

Part Number Example: 932A-100/104JTR1812A								
932A	-	100	/	104	J	TR	1812	A
Type		Rated DC Voltage		Capacitance Code (μF)*	Tolerance Code	Package Code**	Reel Size	Size Option***
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).								
** Package Code: TR = Tape & Reel.								
*** T size option: A, B, or C. If left blank, A is assumed.								

SPECIFICATIONS

Performance Characteristics	
Operating Temperature Range	-55°C ~ +125°C with voltage derating of 1.25%/°C between 105°C & 125°C.
Voltage Range	25, 50, 100, 160, 250, 400, & 630VDC.
Withstanding Voltage (between leads) (20°C)	1.4 times rated voltage for 2 seconds.
Capacitance Range (20°C, 1KHz)	0.001μF ~ 4.7μF.
Capacitance Tolerance	±5% & ±10%.
Maximum Dissipation Factor % (20°C, 1KHz)	<1.0.
Minimum Insulation Resistance (20°C) (after 1 minute minimum)	>1000MΩ measured @ 10VDC for WVDC < 100VDC & measured @ 100VDC for WVDC ≥ 100VDC (C ≤ 0.33μF). 400 seconds measured @ 10VDC for WVDC < 100VDC & measured @ 100VDC for WVDC ≥ 100VDC (C > 0.33μF).

RECOMMENDED LAND PATTERN DIMENSIONS (mm)



Case Code	Dimensions		
	L	E ± 0.012	W
1206	3.2 ± 0.30	3.0	1.6 ± 0.30
1210	3.2 ± 0.30	3.0	2.5 ± 0.30
1812	4.5 ± 0.50	3.0	3.2 ± 0.50
2220	5.7 ± 0.50	3.0	5.0 ± 0.50
2824	7.1 ± 0.50	3.0	6.1 ± 0.50
4030	10.2 ± 0.60	3.0	7.6 ± 0.80
5040	12.7 ± 0.60	3.0	10.2 ± 0.80
6054	15.2 ± 0.60	3.0	13.7 ± 0.80

STANDARD PRODUCTS TABLE BY EIA SIZE

Cap. (μ F)	Cap. Code	25VDC / 16VAC		50VDC / 40VAC		100VDC / 63VAC		
		EIA Size / T Max.		EIA Size / T Max.		EIA Size / T Max.		
		A	B	A	B	A	B	C
0.001	102					1812 / 1.5	1206 / 1.1	
0.0015	152					1812 / 1.5	1206 / 1.1	
0.0022	222					1812 / 1.5	1206 / 1.1	
0.0033	332					1812 / 1.5	1206 / 1.1	
0.0047	472					1812 / 1.5	1206 / 1.3	
0.0068	682					1812 / 1.5	1210 / 1.6	1206 / 1.1
0.01	103					1812 / 1.5	1210 / 1.6	1206 / 1.3
0.015	153	1206 / 1.3		1210 / 1.8	1206 / 1.3	1812 / 1.5	1210 / 1.8	1206 / 1.3
0.022	223	1206 / 1.3		1210 / 2.2	1206 / 1.3	1812 / 1.5	1210 / 2.2	1206 / 1.3
0.033	333	1210 / 2.2	1206 / 1.3	1210 / 2.2	1206 / 1.3	1812 / 1.5	1210 / 2.0	
0.047	473	1210 / 1.8		1210 / 1.8		1812 / 2	1210 / 2.2	
0.068	683	1210 / 2.2		1210 / 2.2		1812 / 3	1210 / 2.3	
0.100	104	1210 / 2.2		1210 / 2.2		1812 / 3	1812 / 1.8	
0.150	154					2220 / 3	1812 / 2.6	
0.22	224					2220 / 4.5	2220 / 2.0	
0.33	334					2220 / 4.5	2220 / 2.8	
0.47	474					2824 / 3.5	2220 / 3.9	
0.68	684					2824 / 5.1	2824 / 3.5	
1.0	105					4030 / 4.8	2824 / 5.1	
1.5	155					5040 / 4.6	4030 / 4.3	
2.2	225					5040 / 5.5	4030 / 6.0	
3.3	335					6054 / 5.7	5040 / 5.4	
4.7	475					6054 / 7.0	6054 / 4.8	

Cap. (μ F)	Cap. Code	160VDC / 100VAC	250VDC / 160VAC		400VDC	630VDC
		EIA Size / T Max.	EIA Size / T Max.		EIA Size / T Max.	EIA Size / T Max.
		A	A	B	A	A
0.001	102	1812 / 1.5	1812 / 1.5			
0.0015	152	1812 / 1.5	1812 / 1.5			
0.0022	222	1812 / 1.5	1812 / 1.5			
0.0033	332	1812 / 1.5	1812 / 1.5			
0.0047	472	1812 / 1.5	1812 / 1.5			
0.0068	682	1812 / 1.5	1812 / 1.5			
0.01	103	1812 / 1.5	1812 / 1.5		2220 / 2.05	2220 / 2.05
0.015	153	1812 / 1.5	1812 / 2.5		2220 / 2.05	2220 / 2.9
0.022	223	1812 / 2.0	2220 / 2.0	1812 / 1.7	2220 / 2.2	2220 / 4.0
0.033	333	1812 / 2.5	2220 / 2.0	1812 / 2.5	2220 / 3.0	2824 / 3.6
0.047	473	2220 / 2.1	2220 / 3.0	2220 / 2.4	2220 / 4.2	2824 / 5.1
0.068	683	2220 / 3.0	2220 / 4.0	2220 / 2.4	2824 / 3.7	4030 / 3.9
0.100	104	2220 / 3.4	2824 / 3.6	2220 / 3.5	2824 / 5.3	4030 / 5.6
0.150	154	2824 / 5.1	2824 / 5.1	2220 / 4.2	4030 / 4.8	5040 / 4.6
0.22	224	2824 / 5.0	4030 / 3.8	2824 / 4.6	5040 / 3.8	6054 / 4.1
0.33	334	4030 / 3.8	4030 / 5.8	4030 / 4.0	5040 / 5.6	
0.47	474	5040 / 3.8	5040 / 4.6	4030 / 5.5	6054 / 4.9	
0.68	684	5040 / 4.6	6054 / 4.4	5040 / 4.6		
1.0	105	6054 / 4.4	6054 / 5.7	5040 / 6.6		
1.5	155	6054 / 6.2	6054 / 5.9			
2.2	225					
3.3	335					
4.7	475					