

FEATURES

- Unencapsulated, stacked, metallized polyphenylene sulfide (PPS) film construction, noninductive.
- Small sizes in EIA 1206, 1210 & 1812
- Wide temperature range (-55°C ~ +125°C).
- IR or vapor phase reflow soldering compatible.
- Tape/reel package available in all sizes.
- High heat and moisture resistance.
- Stable temperature, frequency and bias characteristics.
- Excellent thermal shock resistance.
- Low DF, ESR & ESL.
- No piezoelectric effect

PART NUMBERING

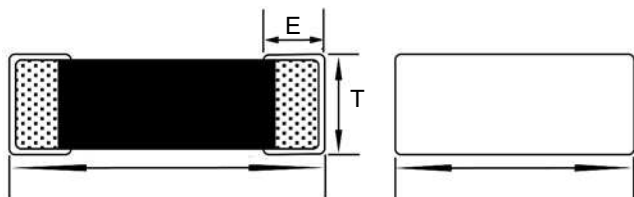
Part Number Example: 933AF-100/105JTR2220F								
933AF	-	050	/	333	J	TR	1210	F
Type		Rated DC Voltage		Capacitance Code (pF)*	Tolerance Code	Package Code**	Case Size	RoHS Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).								
** Package Code: TR = Tape & Reel.								

SPECIFICATIONS

Performance Characteristics	
Operating Temperature Range	-55°C ~ +125°C with voltage derating of 1.25%/°C between 105°C & 125°C.
Voltage Range	16VDC to 50VDC.
Withstanding Voltage (between leads) (20°C)	1.4 times rated voltage for 2 seconds.
Capacitance Range (20°C, 1KHz)	0.001µF ~ 0.15µF.
Capacitance Tolerance	±2%, ±5% & ±10%.
Maximum Dissipation Factor % (20°C, 1KHz)	<0.05%
Minimum Insulation Resistance (20°C) (after 1 minute minimum)	>100MΩ

SIZE (mm)

Case Code	Dimensions		
	L	E ± 0.012	W
1206	3.2 ± 0.50	0.5	1.6 ± 0.50
1210	3.2 ± 0.50	0.5	2.5 ± 0.50
1812	4.5 ± 0.50	0.6	3.2 ± 0.50



STANDARD PRODUCTS TABLE BY EIA SIZE

Cap. (μ F)	Cap. Code	16VDC / 10VAC	50VDC / 40VAC
		EIA Size / T Max.	EIA Size / T Max.
0.001	102	1206 / 1.15	1206 / 1.15
0.0012	122	1206 / 1.15	1206 / 1.15
0.0015	152	1206 / 1.15	1206 / 1.15
0.0018	182	1206 / 1.15	1206 / 1.15
0.0022	222	1206 / 1.15	1206 / 1.15
0.0027	272	1206 / 1.15	1206 / 1.15
0.0033	332	1206 / 1.15	1206 / 1.15
0.0047	472	1206 / 1.15	1206 / 1.15
0.0056	562	1206 / 1.15	1206 / 1.15
0.0068	682	1206 / 1.15	1206 / 1.15
0.0082	822	1206 / 1.15	1206 / 1.15
0.01	103	1206 / 1.15	1206 / 1.15
0.012	123	1206 / 1.15	1206 / 1.8
0.015	153	1206 / 1.15	1206 / 1.8
0.018	183	1206 / 1.15	1206 / 1.8
0.022	223	1206 / 1.15	1206 / 1.8
0.027	273	1206 / 1.15	1210 / 2.1
0.033	333	1206 / 1.15	1210 / 2.1
0.039	393	1206 / 1.15	1210 / 2.1
0.047	473	1210 / 1.8	1812 / 2.4
0.056	563	1210 / 1.8	1812 / 2.4
0.068	683	1210 / 1.8	1812 / 2.4
0.082	823	1210 / 1.8	1812 / 2.4
0.10	104	1210 / 1.8	1812 / 2.4
0.12	124	1210 / 2.3	
0.15	154	1210 / 2.3	