FEATURES

- Unencapsulated, stacked, metallized polyphenylene sulfide (PPS) film construction, non-inductive.
- Small sizes in EIA 1913, 2416, 2820 & 2825.
- Wide temperature range (-55°C ~ +125°C).
- Both dip and reflow soldering acceptable.
- Tape & reel package.
- High heat and moisture resistance.
- Stable temperature and frequency.

PART NUMBERING

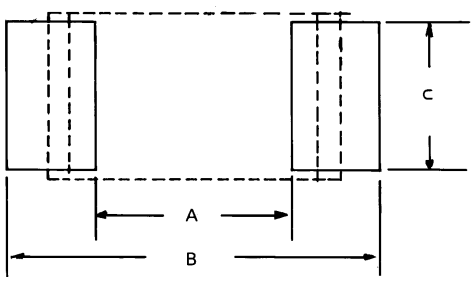
Part Number Example: 933-050/104JTR1913F								
933	**-**	**050**	**/**	**104**	**J**	**TR**	**1913**	**F**
Type		Rated DC Voltage		Capacitance Code (pF)*	Tolerance Code	Package Code**	Reel Size	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).								
** Package Code: TR = Tape & Reel.								

SPECIFICATIONS

Performance Characteristics	
Operating Temperature Range	-55°C ~ +105°C.
Temperature Characteristics (20°C)	Within ±3% of initial value @ Δ C/C (-55°C). Within ±4% of initial value @ Δ C/C (+105°C).
Voltage Range	100VDC
Withstanding Voltage (between leads)	1.5 times rated voltage for 1 ~ 5 seconds.
Capacitance Range (20°C, 1KHz)	0.01μF ~ 0.22μF.
Capacitance Tolerance	±2% & ±5%.
Maximum Dissipation Factor % (20°C, 1KHz)	0.6.
Minimum Insulation Resistance (20°C) (after 1 minute minimum)	3000MΩ measured @ 100VDC.

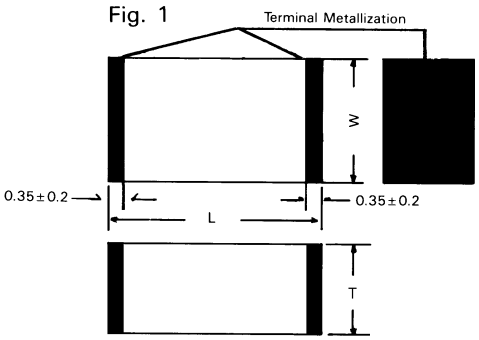
RECOMMENDED LAND PATTERN DIMENSIONS (mm)

EIA Size	A	B	C
1913	2.6	6.6	3.0
2416	3.8	7.8	3.8
2820	4.5	9.0	4.6
2825	4.5	9.0	5.7



DIMENSIONS IN mm:

Fig. 1



EIA SIZE CODE

EIA Size	T ± 0.2	L ± 0.2	W ± 0.3
1913	1.4	4.8	3.3
	2.0		
	2.4		
	2.8		
2416	1.8	6.0	4.1
	2.0		
	2.4		
	2.8		
	3.2		
2420	2.8*	7.1	5.0
	3.0*		
	3.4*		
2425	3.4*	7.1	6.3
	4.0*		
	4.8*		

STANDARD PRODUCTS TABLE BY EIA SIZE AND THICKNESS

Voltage		100WVDC													
EIA size		1913				2416					2420			2425		
Thickness		1.4	2.0	2.4	2.8	1.8	2.0	2.4	2.8	3.2	2.8	3.0	3.4	3.4	4.0	4.8
Capacitance (°F)	0.01	■														
	0.012	■														
	0.015		■													
	0.018		■													
	0.022			■												
	0.027				■											
	0.033					■										
	0.039						■									
	0.047							■								
	0.056								■							
	0.068									■						
	0.052										■					
	0.10											■				
	0.12												■			
	0.15													■		
	0.18														■	
	0.22															■