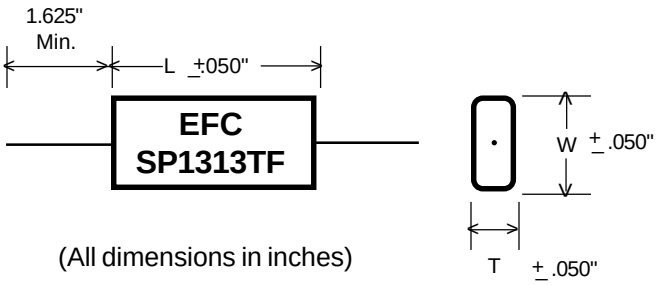
SP1313TF

Oval
Wrap and Fill

Metallized Polyester Capacitors



(All dimensions in inches)

DIMENSIONS and RATINGS

Cap.	SP1313TF-3 250 VDC			LEAD GAUGE	I_{RMS} AMPS	I_{PEAK} AMPS	100 kHz ESR (Max.)
µF	T	W	L				
1.0	.360	.560	1.125	20 AWG	2.0	7.0	41 mΩ
1.5	.450	.650	1.125	20 AWG	2.0	11.0	34 mΩ
2.2	.500	.800	1.125	20 AWG	3.0	16.0	28 mΩ
3.3	.550	.840	1.250	20 AWG	4.0	19.0	23 mΩ
4.7	.620	1.010	1.250	18 AWG	4.0	26.0	19 mΩ

Cap.	SP1313TF-3 400 VDC			LEAD GAUGE	I_{RMS} AMPS	I_{PEAK} AMPS	100 kHz ESR (Max.)
µF	T	W	L				
1.0	.550	.850	1.200	20 AWG	2.0	10.0	41 mΩ
1.5	.690	.990	1.200	18 AWG	3.0	14.0	34 mΩ
2.2	.630	1.020	1.560	18 AWG	4.0	16.0	28 mΩ
3.3	.790	1.180	1.560	18 AWG	4.0	23.0	23 mΩ
4.7	.960	1.360	1.560	18 AWG	4.0	33.0	19 mΩ

Insulation Resistance (Min.)	+25 °C	+85 °C
Megohms x Microfarads	30,000	3,000
Need not exceed (Megohms)	50,000	3,000

NOTES: EFC series SP1313TF capacitors are designed specifically for Switching Power Supply applications, where current and LOW E.S.R. values are important. Capacitance drift over time, due to humidity, temperature cycling or operation life are negligible. Electrical characteristics, such as insulation resistance (I.R.), dissipation factor and dielectric absorption are superior in this Metallized Polyester capacitor as compared to the characteristics displayed by Electrolytic Capacitors. In switching power supply applications requiring medium current, the size and weight savings of the series SP1313TF capacitors coupled with the superior electrical characteristics mentioned above make SP1313TF capacitors the ideal choice in your new or existing switching power supply.

Case is flame retardant - tape wrap construction with epoxy end seals.

Capacitance Tolerance: Standard is +/- 20%. Also available is +/- 10% and +/- 5%. The tolerance applies when measured at 1000 +/- 20 Hz at 25 °C.

Temperature Range: -55 °C to +100 °C.

Humidity Resistance: Tested as outlined in MIL-STD-202C, method 103B, condition A. After final condition IR, no less than 1/2 minimum values listed in table above. Dielectric strength to withstand test as outlined in par. 3.4. One failure allowed of 18 units tested.

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