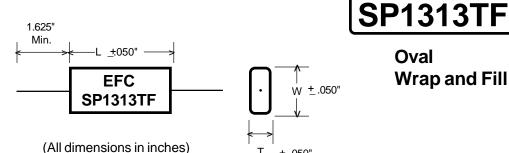


Metallized

Polyester

Capacitors



+.050"

Oval Wrap and Fill

DIMENSIONS and RATINGS

			LEAD	I _{RMS} AMPS	I _{PEAK} AMPS	100 kHz ESR
Т	W	L	GAUGE			(Max.)
.360 .450 .500 .550 .620	.560 .650 .800 .840 1.010	1.125 1.125 1.125 1.250 1.250	20 AWG 20 AWG 20 AWG 20 AWG 18 AWG	2.0 2.0 3.0 4.0 4.0	7.0 11.0 16.0 19.0 26.0	41 mΩ 34 mΩ 28 mΩ 23 mΩ 19 mΩ
SP1313TF-3 400 VDC		LEAD			100 kHz ESR	
т	w	L	GAUGE	AIVIF 3	AMP5	(Max.)
.550 .690	.850 .990	1.200 1.200	20 AWG 18 AWG	2.0 3.0	10.0 14.0	41 mΩ 34 mΩ
.630 .790	1.020 1.180 1.360	1.560 1.560 1.560	18 AWG 18 AWG 18 AWG	4.0 4.0 4.0	16.0 23.0 33.0	28 mΩ 23 mΩ 19 mΩ
	250 T .360 .550 .550 .620 SP 40 T .550 .690 .630	250 VDC T W .360 .560 .450 .650 .500 .800 .550 .840 .620 1.010 SPT313 400 VDC T W .550 .850 .690 .990 .630 1.020 .790 1.180	11 11 .360 .560 1.125 .450 .650 1.125 .500 .800 1.250 .550 .840 1.250 .620 1.010 1.250 SP1313TF-3 400 VDC T W L .550 .850 1.200 .620 1.020 1.260 .630 1.020 1.560 .790 1.180 1.560	250 VDC LEAD GAUGE T W L .360 .560 1.125 20 AWG .450 .650 1.125 20 AWG .500 .800 1.125 20 AWG .500 .800 1.250 20 AWG .550 .840 1.250 20 AWG .620 1.010 1.250 18 AWG SPI313TF-3 400 VDC T W L .550 .850 1.200 20 AWG .550 .850 1.200 20 AWG .690 .990 1.200 18 AWG .550 .850 1.200 18 AWG .630 1.020 1.560 18 AWG .630 1.020 1.560 18 AWG .790 1.180 1.560 18 AWG	250 VDC LEAD GAUGE I _{RMS} AMPS T W L 20 AWG 2.0 .360 .560 1.125 20 AWG 2.0 .450 .650 1.125 20 AWG 2.0 .500 .800 1.125 20 AWG 3.0 .500 .800 1.250 20 AWG 4.0 .550 .840 1.250 18 AWG 4.0 SP1313TF-3 400 VDC LEAD GAUGE AMPS AMPS T W L LEAD GAUGE 2.0 .550 .850 1.200 20 AWG 2.0 .550 .850 1.200 20 AWG 2.0 .550 .850 1.200 20 AWG 3.0 .630 1.020 1.560 18 AWG 3.0 .630 1.020 1.560 18 AWG 4.0 .790 1.180 1.560 18 AWG 4.0	250 VDC LEAD GAUGE I _{RMS} AMPS I _{PEAK} AMPS T W L CAUGE I _{RMS} AMPS I _{PEAK} AMPS .360 .560 1.125 20 AWG 2.0 7.0 .450 .650 1.125 20 AWG 2.0 11.0 .500 .800 1.125 20 AWG 3.0 16.0 .550 .840 1.250 20 AWG 4.0 19.0 .620 1.010 1.250 18 AWG 4.0 26.0 SP1313TF-3 400 VDC LEAD GAUGE I _{RMS} AMPS I _{PEAK} AMPS T W L 20 AWG 2.0 10.0 .550 .850 1.200 20 AWG 3.0 14.0 .550 .850 1.200 20 AWG 3.0 14.0 .630 1.020 1.560 18 AWG 4.0 16.0 .790 1.180 1.560 18 AWG 4.0 23.0

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.

ELECTRONIC FILM CAPACITORS, INC.

Reidville Industrial Park * 41 Interstate Lane * WATERBURY, CONNECTICUT 06705 Phone (203) 755-5629 FAX (203) 755-0659

EFC will manufacture to any non-standard value and size. Please consult factory for special requirements.