

TYPE 54P

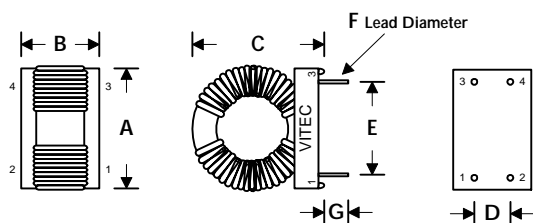
EMI COMMON-MODE INDUCTORS

FEATURES

- Designed for input filter circuits of switching power supplies operating in the range of 100-300 KHz.
- Industry standard footprint.
- Meets 3mm creepage and clearance spacings for compatibility with IEC, VDE, UL, and CSA.
- Materials meet flamability requirement of UL94V-0.
- Low cost.
- Manufactured to UL recognized 130 insulation system. UL file# E107307.

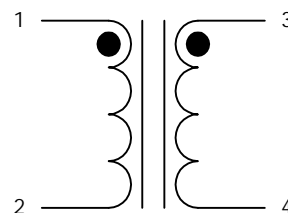
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DRAWING



Drawing NOT to Scale

SCHEMATIC



ELECTRICAL CHARACTERISTICS @ +25°C							DIMENSIONS <small>Inches/mm. ±0.005/0.127</small>							
Part Number	Rated Current	Lp	LL	DCR	Dielectric Strength	Dimension Code	Code	A	B	C	D	E	F	G
	Amp RMS	mH MIN	mH TYP	Ohm MAX	Volt RMS		1	MAX	MAX	MAX	TYP	±0.010	±0.010	TYP
54P2923	25.0	0.80	12	0.005	3000	1	1	<u>1.700</u> 43.18	<u>0.950</u> 24.13	<u>1.750</u> 44.45	<u>0.700</u> 17.78	<u>1.200</u> 30.48	<u>0.081</u> 2.06	<u>0.13-0.16</u> 3.30-4.06
54P2924	13.0	1.60	16	0.007	3000	2	2	<u>1.330</u> 33.78	<u>0.800</u> 20.32	<u>1.300</u> 33.02	<u>0.600</u> 15.24	<u>0.900</u> 22.86	<u>0.057</u> 1.45	<u>0.13-0.28</u> 3.30-7.11
54P2925	6.0	3.00	60	0.035	3000	3	3	<u>1.270</u> 32.29	<u>0.800</u> 20.32	<u>1.300</u> 33.02	<u>0.600</u> 15.24	<u>0.900</u> 22.86	<u>0.036</u> 0.91	<u>0.14-0.16</u> 3.56-4.06
54P2926	6.0	0.90	16	0.021	3000	4	3	<u>1.270</u> 32.29	<u>0.800</u> 20.32	<u>1.300</u> 33.02	<u>0.600</u> 15.24	<u>0.900</u> 22.86	<u>0.036</u> 0.91	<u>0.14-0.16</u> 3.56-4.06
54P2927	3.0	6.00	48	0.065	3000	5	4	<u>1.150</u> 29.21	<u>0.600</u> 15.24	<u>1.000</u> 25.40	<u>0.400</u> 10.16	<u>0.800</u> 20.32	<u>0.036</u> 0.91	<u>0.10-0.16</u> 2.54-4.06
54P2931	5.0	0.60	12	0.016	3000	4	4	<u>1.150</u> 29.21	<u>0.600</u> 15.24	<u>1.000</u> 25.40	<u>0.400</u> 10.16	<u>0.800</u> 20.32	<u>0.036</u> 0.91	<u>0.10-0.16</u> 2.54-4.06
54P2932	4.0	1.60	24	0.035	3000	4	4	<u>1.150</u> 29.21	<u>0.600</u> 15.24	<u>1.000</u> 25.40	<u>0.400</u> 10.16	<u>0.800</u> 20.32	<u>0.036</u> 0.91	<u>0.10-0.16</u> 2.54-4.06
54P2933	25.0	1.60	12	0.007	1500	1	5	<u>1.150</u> 29.21	<u>0.600</u> 15.24	<u>1.000</u> 25.40	<u>0.400</u> 10.16	<u>0.800</u> 20.32	<u>0.025</u> 0.64	<u>0.14-0.16</u> 3.56-4.06
54P2934	15.0	1.40	10	0.008	1500	2	5	<u>1.150</u> 29.21	<u>0.600</u> 15.24	<u>1.000</u> 25.40	<u>0.400</u> 10.16	<u>0.800</u> 20.32	<u>0.025</u> 0.64	<u>0.14-0.16</u> 3.56-4.06
54P2935	20.0	1.00	16	0.005	1500	2	6	<u>2.500</u> 63.50	<u>0.900</u> 22.86	<u>2.250</u> 57.15	<u>0.700</u> 17.78	<u>1.200</u> 30.48	<u>0.081</u> 2.06	<u>0.12-0.16</u> 3.05-4.06
54P2936	16.0	2.00	40	0.015	1500	1	6	<u>2.500</u> 63.50	<u>0.900</u> 22.86	<u>2.250</u> 57.15	<u>0.700</u> 17.78	<u>1.200</u> 30.48	<u>0.081</u> 2.06	<u>0.12-0.16</u> 3.05-4.06
54P2938	30.0	0.90	24	0.005	1500	6	6	<u>2.500</u> 63.50	<u>0.900</u> 22.86	<u>2.250</u> 57.15	<u>0.700</u> 17.78	<u>1.200</u> 30.48	<u>0.081</u> 2.06	<u>0.12-0.16</u> 3.05-4.06

Note: 45 Degree C MAX Temperature Rise Due to Rated Current.
Winding: Balun Wound to Within 1%.