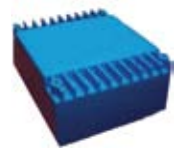


LOW PROFILE ENCAPSULATED POWER TRANSFORMER

ALPT-XX-XXX



RoHS
Compliant



Dimension Various

FEATURES:

- Power – 2VA~30VA
- Dual Primary, Series or Parallel Secondary – 115V/230V, 50/60Hz
- Increased Insulation Class – Class B (130°C)
- Fully encapsulated; greater VA to Volume ratio which results in cooler and/or smaller transformers
- Ambient temperature (ta)-40°C
- Dielectric strength-3750Vrms
- Potted under vacuum; Fail-safe for 10~30VA
- Agency approved: C-UL; CSA C22.2#66;UL: UL506; TUV: EN61558/EN60950;CE

APPLICATIONS:

- Medical equipment
- Test equipment
- Media and Hi-end audio equipment
- Broadcast sound system

2.0 ELECTRICAL SPECIFICATIONS

ABRACON P/N: **ALPT-xx-xxx**

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-02-005	10	200	5	400
006	12	166	6	332
008	16	125	8	250
009	18	111	9	222
010	20	100	10	200
012	24	83	12	166
015	30	66	15	132
017	34	59	17	118
018	36	55	18	110
020	40	50	20	100
021	42	47	21	94
024	48	41	24	82
028	56	36	28	72
115	230	9	115	18

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-03-005	10	300	5	600
006	12	250	6	500
008	16	187	8	374
009	18	166	9	332
010	20	150	10	300
012	24	125	12	250
015	30	100	15	200
017	34	88	17	176
018	36	83	18	166
020	40	75	20	150
021	42	71	21	142
024	48	63	24	126
028	56	53	28	106
115	230	13	115	26

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-04-005	10	400	5	800
006	12	333	6	666
008	16	250	8	500
009	18	222	9	444
010	20	200	10	400
012	24	166	12	332
015	30	133	15	266
017	34	118	17	236
018	36	111	18	222
020	40	100	20	200
021	42	95	21	190
024	48	83	24	166
028	56	71	28	142
115	230	17	115	34

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-06-005	10	600	5	1200
006	12	500	6	1000
008	16	375	8	750
009	18	333	9	666
010	20	300	10	600
012	24	250	12	500
015	30	200	15	400
017	34	176	17	352
018	36	166	18	332
020	40	150	20	300
021	42	142	21	284
024	48	125	24	250
028	56	107	28	214
115	230	26	115	52

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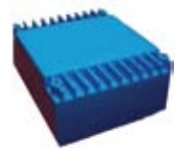
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LOW PROFILE ENCAPSULATED POWER TRANSFORMER

ALPT-XX-XXX



RoHS
Compliant



Dimension Various

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-08-005	10	800	5	1600
006	12	666	6	1332
008	16	500	8	1000
009	18	444	9	888
010	20	400	10	800
012	24	333	12	666
015	30	266	15	532
017	34	235	17	470
018	36	222	18	444
020	40	200	20	400
021	42	190	21	380
024	48	166	24	332
028	56	143	28	286
115	230	35	115	70

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-10-005	10	1000	5	2000
006	12	833	6	1666
008	16	625	8	1250
009	18	555	9	1110
010	20	500	10	1000
012	24	416	12	832
015	30	333	15	666
017	34	294	17	588
018	36	277	18	554
020	40	250	20	500
021	42	238	21	476
024	48	208	24	416
028	56	179	28	358
115	230	43	115	86

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-14-005	10	1400	5	2800
006	12	1167	6	2334
008	16	875	8	1750
009	18	777	9	1554
010	20	700	10	1400
012	24	583	12	1166
015	30	466	15	932
017	34	412	17	824
018	36	388	18	776
020	40	350	20	700
021	42	333	21	666
024	48	291	24	582
028	56	250	28	500
115	230	60	115	120

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-18-005	10	1800	5	3600
006	12	1500	6	3000
008	16	1125	8	2250
009	18	1000	9	2000
010	20	900	10	1800
012	24	750	12	1500
015	30	600	15	1200
017	34	529	17	1058
018	36	500	18	1000
020	40	450	20	900
021	42	428	21	856
024	48	375	24	750
028	56	321	28	642
115	230	78	115	156

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-24-005	10	2400	5	4800
006	12	2000	6	4000
008	16	1500	8	3000
009	18	1333	9	2666
010	20	1200	10	2400
012	24	1000	12	2000
015	30	800	15	1600
017	34	706	17	1412
018	36	666	18	1332
020	40	600	20	1200
021	42	571	21	1142
024	48	500	24	1000
028	56	429	28	858
115	230	104	115	208

Part#	Series		Parallel	
	V (C.T.)	mA (RMS)	V	mA (RMS)
ALPT-30-005	10	3000	5	6000
006	12	2500	6	5000
008	16	1875	8	3750
009	18	1666	9	3332
010	20	1500	10	3000
012	24	1250	12	2500
015	30	1000	15	2000
017	34	882	17	1764
018	36	833	18	1666
020	40	750	20	1500
021	42	714	21	1428
024	48	625	24	1250
028	56	550	28	1100
115	230	130	115	260

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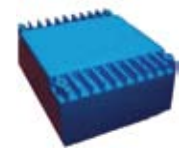


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LOW PROFILE ENCAPSULATED POWER TRANSFORMER



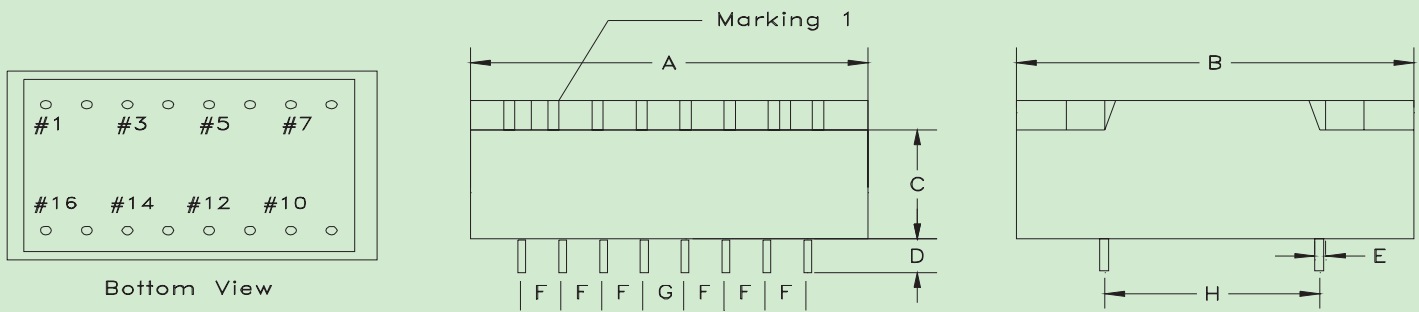
Dimension Various

ALPT-XX-XXX



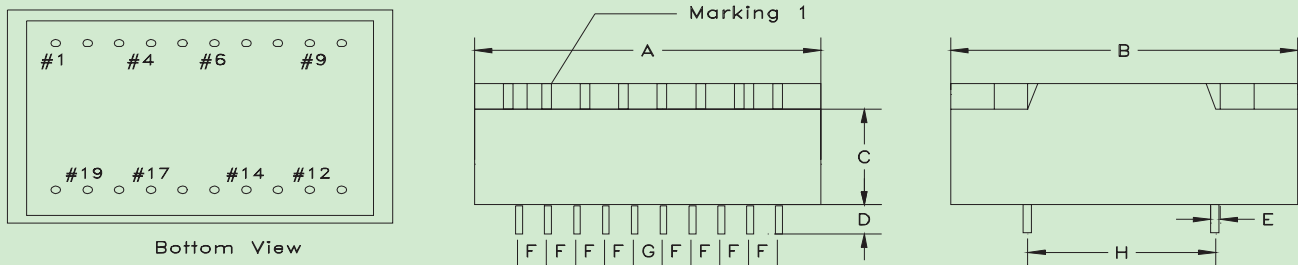
RoHS
Compliant

OUTLINE DRAWING



Dimension drawing for ALPT-02~10

Product Series	Dimension (mm)								Weight (g)
	A	B	C	D	E	F	G	H	
2, 3VA	43.5	52.5	17.0	4.0	SQ0.64	5.0	5.0	35.0	115
4VA	43.5	52.5	19.0	4.0	SQ0.64	5.0	5.0	35.0	135
6VA	43.5	52.5	22.0	4.0	SQ0.64	5.0	5.0	35.0	175
8, 10VA	43.5	52.5	28.0	4.0	SQ0.64	5.0	5.0	35.0	230
Tolerance	±0.5	±0.5	±0.5	±1.0	±0.1	±0.2	±0.2	±0.5	approx.



Dimension drawing for ALPT-14~30

Product Series	Dimension (mm)								Weight (g)
	A	B	C	D	E	F	G	H	
14VA	57.0	68.0	24.0	4.0	SQ0.64	5.0	6.0	45.0	310
18VA	57.0	68.0	27.0	4.0	SQ0.64	5.0	6.0	45.0	350
24VA	57.0	68.0	31.0	4.0	SQ0.64	5.0	6.0	45.0	435
30VA	57.0	68.0	35.0	4.0	SQ0.64	5.0	6.0	45.0	515
Tolerance	±1.0	±1.0	±1.0	±1.0	±0.1	±0.2	±0.2	±0.5	approx.

- Note: (1) Marking 1 shows P/N & electrical specification. A white dot indicates pin #1 position.
 (2) Marking 2 shows date code (YYMM).
 (3) Unused pins are omitted for standard parts. Unused pins can be provided upon request.

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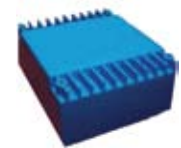
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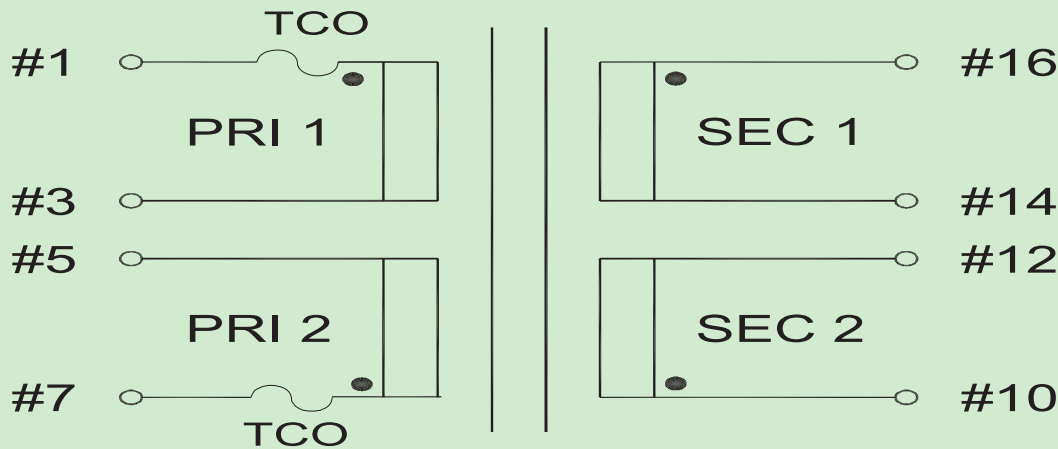
Dimension Various

ALPT-XX-XXX



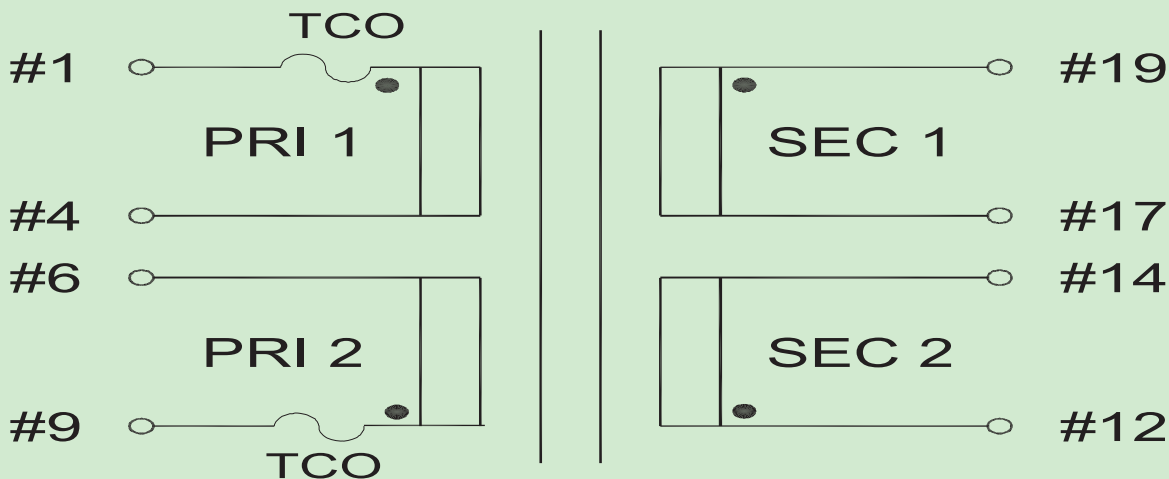
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➤ SCHEMATICS (for standard parts)



Schematic for ALPT-02~10

Primary (Input)	115V, 60Hz	Pin 1 - Pin 5 (Pins 1, 7 short; Pins 3, 5 short)
	230V 50Hz	Pin 1-Pin 5 (Pins 3, 7 short)
Secondary (Output)	Series	Pin 10 -Pin 14 (Pins 12, 16 short)
	Parallel	Pin 10-Pin 14(Pins 10,16 short;Pins 12,14 short)



Schematic for ALPT-14~30

Primary (Input)	115V, 60Hz	Pin 1 - Pin 6 (Pins 1, 9 short; Pins 4, 6 short)
	230V 50Hz	Pin 1-Pin 6 (Pins 4, 9 short)
Secondary (Output)	Series	Pin 12 -Pin 17 (Pins 14, 19 short)
	Parallel	Pin 12-Pin 17(Pins 12,19 short;Pins 14,17 short)

