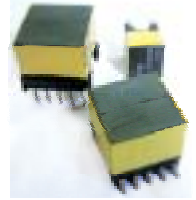




ADSL MAGNETICS

Designed to meet UL1950 Safety Requirements For Supplementary Insulation at 250V Transformers & Inductors For Use With Alcatel's DynaMite ADSL Chipsets



Good Total Harmonic Distortion Characteristics.

Optimised Design For Size and Performance

RoHS " -R" peak solder rating 260°C , non-RoHS peak solder rating 225°C

For RoHS part, add suffix -R

ELECTRICAL SPECIFICATIONS @ 25°C (Operating Temperature : - 40°C to + 85°C)

Part Number	Turns Ratio Line □ Chip +/- 2%	Inductance (OCL) (μ H)	Leakage Inductance (μ H max)	DC Resistance (Ω max)		Hi-Pot (Vac)	Package / Application
A10101D A10101D-R	(1-5) / (10-6) = 1	(1-5) w/ 2-4 shorted 440 ± 5%	(1-5)13	(1-4) = (2-5) 0.6	(10-7) = (6-9) 1.0	1500	Transformer CPE
A6101D A6101D-R	-	(6-2) 96 ± 5%	-	(2-6) 0.42	-	500	Inductor CO
A6102D A6102D-R	(6-2) / (3-5) = 1	(6-2) 239 ± 5%	-	(6-2) 0.7	(3-5) 0.7	500	Coupled Inductor CPE
A6103D A6103D-R	(6-2) / (3-5) = 1	(6-2) 283 ± 5%	-	(6-2) 1.0	(6-2) 1.0	500	Coupled Inductor CPE
A12101D A12101D-R	(2-12) / (8-6) = 2	(2-12) w/ 11-1 shorted 410 ± 5%	(2-12) 6.5	(2-11) = (1-12) 0.4	(8-5) = (7-6) 0.25	2000	Transformer CO
A12102D A12102D-R	(2-12) / (8-6) = 1	(2-12)w/11-1 shorted 442 ± 5%	(2-12)10	(2-11) = (1-12) 0.58	(8-5) = (7-6) 0.5	1500	Transformer CPE
A12103D A12103D-R	(1-3) / (4-6) = 1	(1-3) 91± 10%	-	(1-3) 0.8	(4-6) 0.8	500	Coupled Inductor CO
A12104D A12104D-R	(1-3) / (4-6) = 1	501 ± 5%	-	(1-3) 3.0	(4-6) 3.0	500	Coupled Inductor CO/CPE
A10102D A10102D-R	(1-5) / (10-6) = 2	(1-5) w/ 2-4 shorted 410 ± 10%	(1-5) 6.5	(1-4) = (2-5) 0.6	(10-7) = (9-6) 0.4	1500	Transformer CO
A10101S A10101S-R	(1-5) / (10-6) = 2	(1-5) w/ 2-4 shorted 410 ± 10%	(1-5) 6.5	(1-4) = (2-5) 0.6	(10-7) = (9-6) 0.4	1500	Transformer CO
A10103D A10103D-R	(1-4) / (10-7) = 2	(1-4) w/ 3-2 shorted 410 ± 10%	(1-4) 6.5	(1-3) = (2-4) 0.6	(10-8) = (9-7) 0.4	1500	Transformer CO
A10102S A10102S-R	(1-4) / (10-7) = 2	(1-4) w/ 3-2 shorted 410 ± 10%	(1-4) 6.5	(1-3) = (2-4) 0.6	(10-8) = (9-7) 0.4	1500	Transformer CO
A16101D A16101D-R	(7-2)/(6-3) = 2.25 (7-2)/(5-4) = 4.5	(6-3) 844 min	(6-3) 1.5	(7-1) 0.2 (1-2) 0.2	(5-4) 0.11 (2-1) 0.19	500	Transformer CO
A16102D A16102D-R	(7-2)/(6-3) = 1.65 (7-2)/(5-4) = 3.3	(6-3) 7680 min	(6-3) 3	(7-1) 1.0 (1-2) 0.75	(5-4) 0.75 (6-3) 1.8	500	Transformer CPE

Note

Inductance (OCL) is measured @ 10KHz, 0.1Vrms

Leakage Inductance is measured @ 100KHz, 0.1Vrms across pins indicated with rest of the pins shorted

For complete parameters of components listed above, request for individual specification sheets

Specifications Subject To Change Without Notice

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TEL: 00886-3-3310896
FAX: 00886-3-3310865

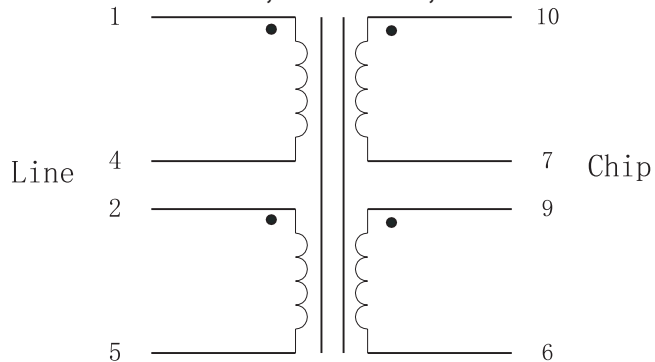
DONGGUAN
TEL: 086-769-86761589
FAX: 086-769-86761549



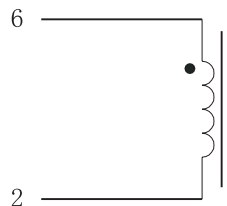
ADSL MAGNETICS

SCHEMATICS (Continued)

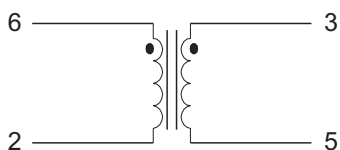
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A10101D-R,A10102D-R,A10101S-R**



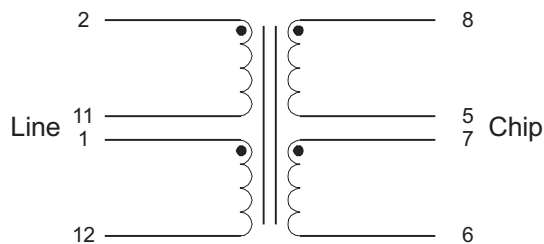
**A6101D
A6101D-R**



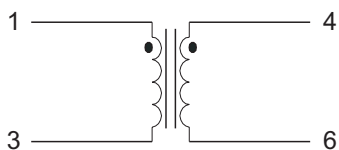
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A6102D-R,A6103D-R**



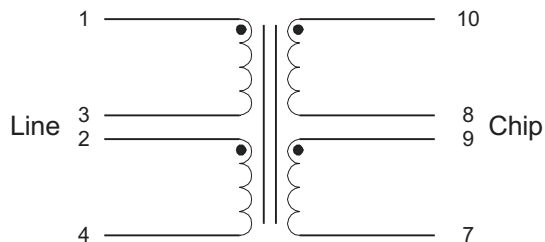
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A12101D-R,A12102D-R**



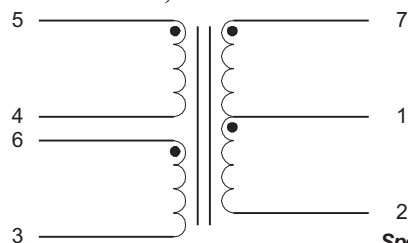
**A12103D,A12104D
A12103D-R,A12104D-R**



**A10103D,A10102S
A10103D-R,A10102S-R**



**A16101D , A16102D
A16101D-R , A16102D-R**



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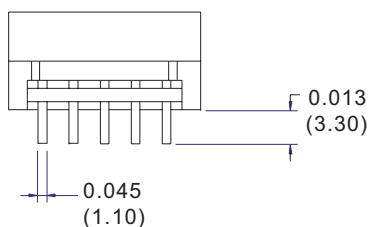
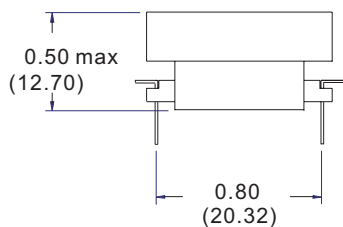
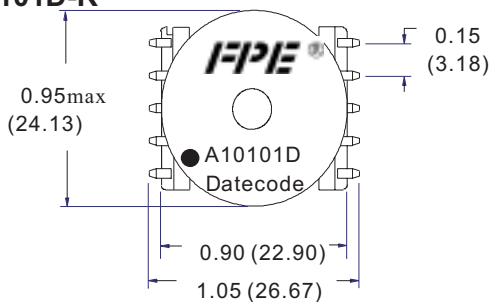
DONGGUAN
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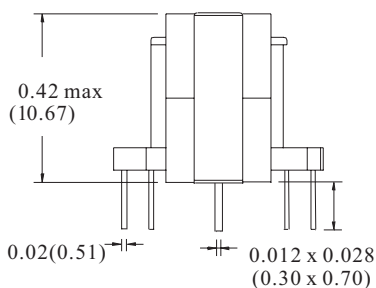
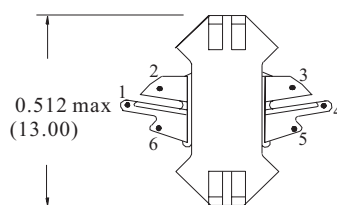
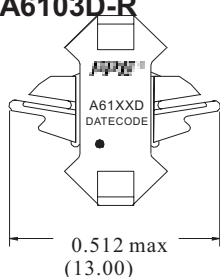
ADSL MAGNETICS

MECHANICAL SPECIFICATIONS

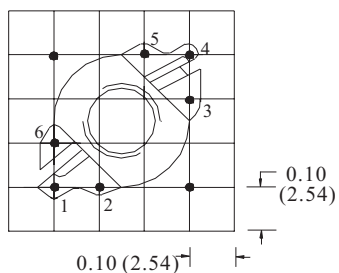
A10101D, A10101D-R



A6101D, A6102D, A6103D A6101D-R, A6102D-R, A6103D-R



PCB Layout : Mounting View



DIMENSIONS : INCHES/(mm) UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ± 0.010(0.25).

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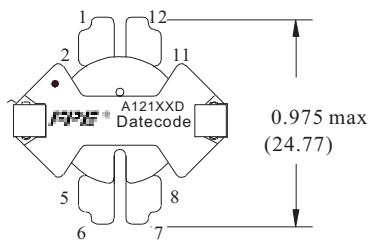


ADSL MAGNETICS

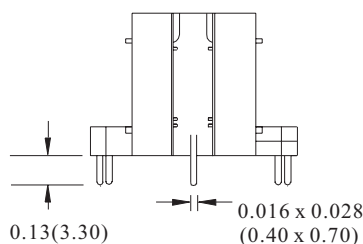
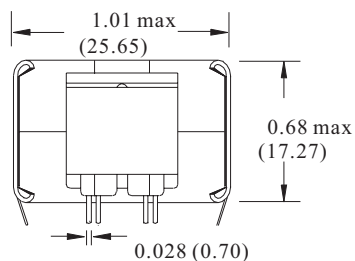
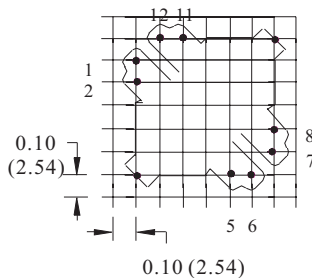
MECHANICAL SPECIFICATIONS (Continued)

A12101D, A12102D

A12101D-R, A12102D-R

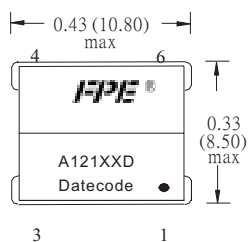


PCB Layout : Mounting Side



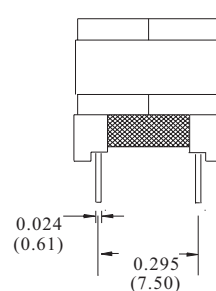
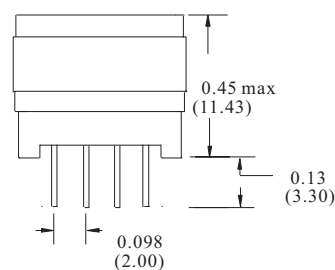
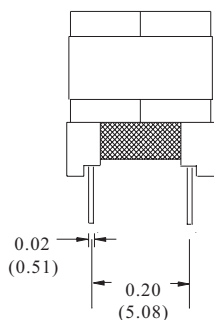
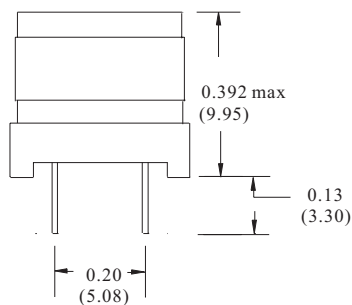
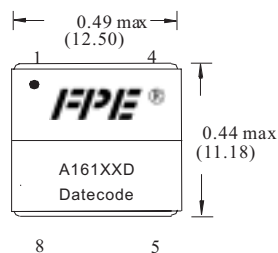
A12103D, A12104D

A12103D-R, A12104D-R



A16101D, A16102D

A16101D-R, A16102D-R



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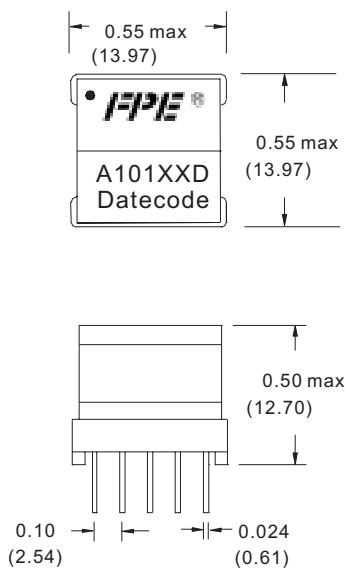
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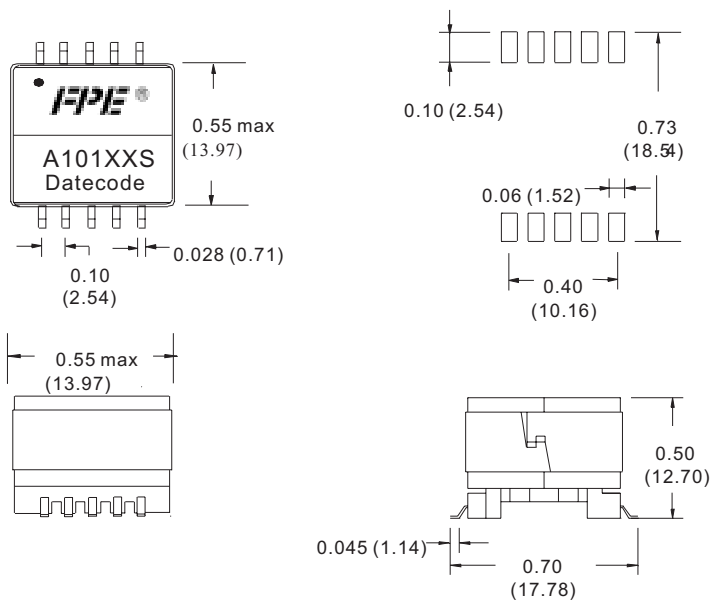
ADSL MAGNETICS

MECHANICAL SPECIFICATIONS (Continued)

A10102D,A10103D
A10102D-R,A10103D-R



A10101S,A10102S
A10101S-R,A10102S-R



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