



DSL LINE ISOLATION TRANSFORMERS THRU HOLE OR SMD

Parts are UL1950 & CSA-950 Recognized under UL File# E162344
or are pending

- ① Thru hole or SMD Package
- ② 1500Vrms Minimum Isolation Voltage
- ③ UL, IEC & CSA Insulation system
- ④ Extended Temperature Range Version

ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE -40°C TO +85°C

PART NUMBER	Ratio (SEC:PRI ± 3%)	Primary OCL (mHTYP.)	PRI - SEC L _L (mH Max.)	DCR (W Max)		Package / Schematic	IC Manufacture	IC P/N
				PRI	SEC			
PM-DSL10	1 : 2.0	12.5	40.0	4.0	2.0	EP13/G		
PM-DSL11	1 : 2.0	12.5	40.0	4.0	2.0	EP13/AC		
PM-DSL11G	1 : 2.0	12.5	40.0	4.0	2.0	EP13G/AC		
PM-DSL12	1 : 2.0	16.5	20.0	3.0	1.0	EP13/AD	Globespan	
PM-DSL13	1 : 1.0	5.0	16	1.5	1.65	EP13/I		
PM-DSL13G	1 : 1.0	5.0	16	1.5	1.65	EP13G/I		
PM-DSL14	1 : 2.0	12.5	18.0	2.1	1.5	EP13/D	Globespan	
PM-DSL15	1 : 1.5	2.25	30.0	3.63	3.36	EP13/E		
PM-DSL16	1 : 3.0	2.25	30.0	3.63	1.0	EP13/C		
PM-DSL17	1 : 1.0	1.0	12.0			R/F		
PM-DSL18	1 : 2.0oct	1.0	12.0			R/F		
PM-DSL19	1 : 2.0	3.0	30.0	2.5	1.0	EP13/A	Brooktree	BT8970
PM-DSL20	1 : 1.0	0.43	10.0	.45	.35	EP13/B		
PM-DSL20G	1 : 1.0	0.43	10.0	.45	.35	EP13G/B		
PM-DSL21G	1 : 2.0	3.0	11.0	2.5	1.6	EP13G/A	Brooktree	BT8970
PM-DSL22G	1 : 1.5	2.25	30.0	3.3	3.05	EP13G/C		
PM-DSL23	1 : 2.0	2.0	30.0	2.5	1.25	EP13/A	Brooktree	BT8921/8970
PM-DSL24	1 : 2.0	2.0	11.0	2.5	1.0	EP13/A	Brooktree	BT8921/8970
PM-DSL24G	1 : 2.0	2.0	11.0	2.5	1.0	EP13G/A	Brooktree	BT8921/8970
PM-DSL25	1 : 2.0	3.0	11.0	2.5	1.0	EP13/A	Brooktree	BT8921/8970
PM-DSL25G	1 : 2.0	3.0	11.0	2.5	1.0	EP13G/A	Brooktree	BT8921/8970
PM-DSL26	1 : 2.0	3.5		2.5	1.0	EP13/A	Brooktree	BT8960
PM-DSL26G	1 : 2.0	3.5		2.5	1.0	EP13G/A	Brooktree	BT8960
PM-DSL27	1 : 2.0	8.0		4	2.3	EP13/A	Brooktree	BT8960
PM-DSL27G	1 : 2.0	8.0		4	2.3	EP13G/A	Brooktree	BT8960
PM-DSL28	1 : 2.0	5.0	30.0	3.5	2.2	EP13/A	Brooktree	BT8960
PM-DSL28G	1 : 2.0	5.0	30.0	3.5	2.2	EP13G/A	Brooktree	BT8960
PM-DSL29	1 : 2.0	4.5	30.0	3.0	1.0	EP13/A	Brooktree	BT8960
PM-DSL29G	1 : 2.0	4.5	30.0	3.0	1.0	EP13G/A	Brooktree	BT8960
PM-DSL30	1 : 2.0	2.5	20.0	3.5	1.1	EP13/A	Brooktree	BT8960
PM-DSL30G	1 : 2.0	2.5	20.0	3.5	1.1	EP13G/A	Brooktree	BT8960
PM-DSL31	1 : 2.0	5.8	20.0	2.6	1.0	EP13/A	Brooktree	BT8970
PM-DSL31G	1 : 2.0	5.8	20.0	2.6	1.0	EP13G/A	Brooktree	BT8970
PM-DSL32	1 : 2.0	4.4	11.0	2.6	1.0	EP13/A	Brooktree	BT8970
PM-DSL32G	1 : 2.0	4.4	11.0	2.6	1.0	EP13G/A	Brooktree	BT8970
PM-DSL33	1 : 1.0	3.0	20.0	2.0	1.9	EP13/A	Brooktree	BT8952
PM-DSL33G	1 : 1.0	3.0	20.0	2.0	1.9	EP13G/A	Brooktree	BT8952
PM-DSL34	1 : 1.0	2.0	20.0	2.0	1.9	EP13/A	Brooktree	BT8952
PM-DSL34G	1 : 1.0	2.0	20.0	2.0	1.9	EP13G/A	Brooktree	BT8952
PM-DSL35	1 : 2.0	3.0	20.0	2.5	1.0	EP13/A	Burr Brown	AFC1124

Specifications subject to change without notice.

pm-dslxx 01/02



DSL LINE ISOLATION TRANSFORMERS THRU HOLE OR SMD

ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE -40°C TO +85°C

PART NUMBER	Ratio (SEC:PRI) ± 3%	Primary OCL (mH TYP.)	PRI - SEC L _p (mH Max.)	DCR (W Max)		Package / Schematic	IC Manufacture	IC P/N
				PRI	SEC			
PM-DSL35G	1 : 2.0	3.0	20.0	2.5	1.0	EP13G/A	Burr Brown	AFC1124
PM-DSL36	1 : 1.8	2.95	11.0	3.2	1.8	EP13/A	Burr Brown	AFC1124
PM-DSL36G	1 : 1.8	2.95	11.0	3.2	1.8	EP13G/A	Burr Brown	AFC1124
PM-DSL37G	1 : 1.08	0.480	10.0	0.45	0.35	EP13G/I	Alcatel	MTK-20140
PM-DSL38G	1 : 2.0	0.530	25.0	3.3	1.4	EP7G/J	Globespan	DLC
PM-DSL39	1 : 4.0	2.0	30.0	4.0	0.3	EP13/A		
PM-DSL39G	1 : 4.0	2.0	30.0	4.0	0.3	EP13G/A		
PM-DSL40	1 : 2.0	0.800	10.0	1.5	0.8	EP13/D		
PM-DSL41	1 : 4.0	2.0	20.0	5.0	0.5	EP10/X	Globespan	
PM-DSL41G	1 : 4.0	2.0	20.0	5.0	0.5	EP10G/X	Globespan	
PM-DSL42	1 : 4.0	2.0	30.0	2.4	0.25	EP13/C	Globespan	
PM-DSL43	1 : 4.0	4.0	30.0	4.0	0.4	EP13/C	Globespan	
PM-DSL44	1 : 3.1	3.0	30.0	5.0	0.5	EP13/K	Globespan	
PM-DSL45	1 : 4.0	3.0	30.0	5.0	1.0	EP13/K	Globespan	
PM-DSL46	1 : 4.0	4.0	30.0	6.0	0.5	EP13/L	Globespan	
PM-DSL47	1 : 1.41	0.800	10.0	1.4	1.7	EP13/D		
PM-DSL48	1 : 1.8	2.75	50.0	6.0	3.2	P18-11/M	Brooktree/LV1	SK70704/6
PM-DSL49G	1 : 1.0	0.470	10.0	0.6	0.7	EP13G/I		
PM-DSL50	1 : 5.0	2.0	1.0	1.4	0.35	EP13/L		
PM-DSL51G	1 : 4.0	2.0	17.0	3.0	0.35	EP13G/L	Globespan	
PM-DSL53	1 : 1.0	200	36	10	5	EP13/B	Level One	LXT400/441
PM-DSL53G	1 : 1.0	200	36	10	5	EP13G/B	Level One	LXT400/441
PM-DSL54	1 : 1.0	200	60	8.0	16	EP13/N	Level One	LXT400/441
PM-DSL54G	1 : 1.0	200	60	8.0	16	EP13G/N	Level One	LXT400/441
PM-DSL55	1 : 1.0	40	40	8.0	8.0	EP7/M	Level One	LXT441
PM-DSL55G	1 : 1.0	40	40	8.0	8.0	EP7/M	Level One	LXT/441
PM-DSL56	1 : 2.0	.410	10	.84	.40	EP13/B	Alcatel	MTK-20150/140
PM-DSL56G	1 : 2.0	.410	10	.84	.40	EP13G/B	Alcatel	MTK-20150/140
PM-DSL57	1 : 1.0	.440	10	1.2	1.0	EP13/B	Alcatel	MTK-20141
PM-DSL58	1 : 1.0	.50		1.65	1.65	EP7/O	Alcatel	1AB071110008
PM-DSL59	1 : 1.0	.24		.70	.70	EP13/P	Alcatel	1AB01965-0026
PM-DSL60	1 : 2.0	1.50	12	2.0	.55	EP13/Q	Texas	THS6012
PM-DSL61	1 : 1.2	4.0	15	5.5	5.5	EP13/R	Motorola	XS143462SK1
PM-DSL61G	1 : 1.2	4.0	15	5.5	5.5	EP13G/R	Motorola	XS143462SK1
PM-DSL62	1 : 1.0	.40	10	1.4	1.3	EP13/I	Alcatel	MTK-20141
PM-DSL62G	1 : 1.0	.40	10	1.4	1.3	EP13G/I	Alcatel	MTK-20141
PM-DSL63	1 : 1.42	1.5	18	4.0	.75	EP13/Q	Texas	TNETD4000R
PM-DSL64	1 : 1.8	3.0	30	3.0	2.2	EP13/S	Level One	SK70704/706/
PM-DSL64G	1 : 1.8	3.0	30	3.0	2.2	EP13G/S	Level One	SK70704/706/
								725/721
PM-DSL65	1 : 1.0	1.25	12	1.3	1.3	EP13/B	Lucent	LEO1
PM-DSL66	1 : 1.27	18	12	1.3	.85	EP13/T	Analog Devices	AD20msp918
PM-DSL67	1 : 1.41	.475	10	1.1	.90	EP13/T	Globespan	DMT IC
PM-DSL67G	1 : 1.41	.475	10	1.1	.90	EP13G/T	Globespan	DMT IC

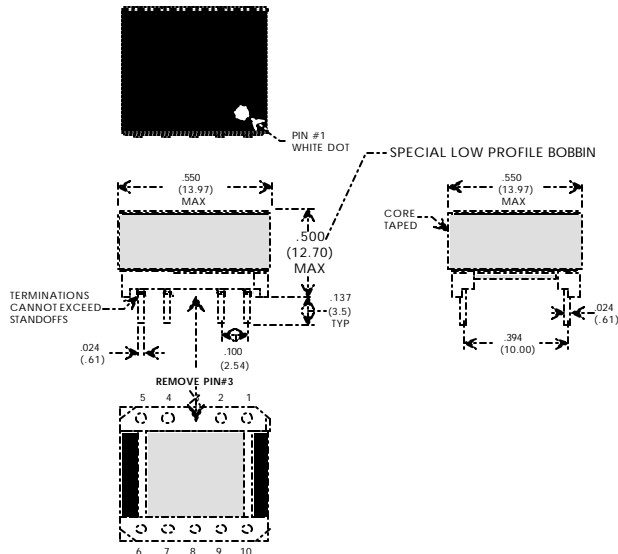
Specifications subject to change without notice.

pm-dsxx 06/00

20381 BARENTS SEA CIRCLE, LAKE FOREST, CA 92630 · TEL: (949) 452-0511 · FAX: (949) 452-0512 · <http://www.premiermag.com>

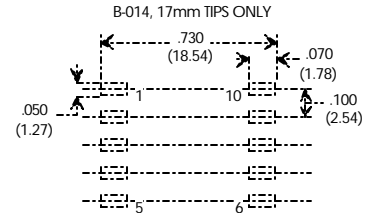
MECH. PKG. "EP13"

DIMENSIONS IN INCH (mm)

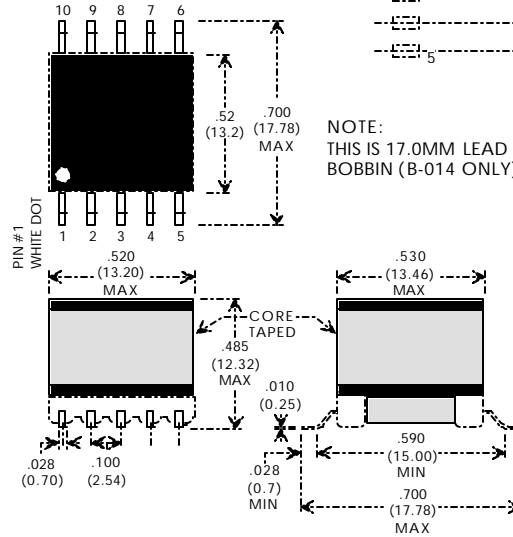


MECH. PKG. "EP13G"

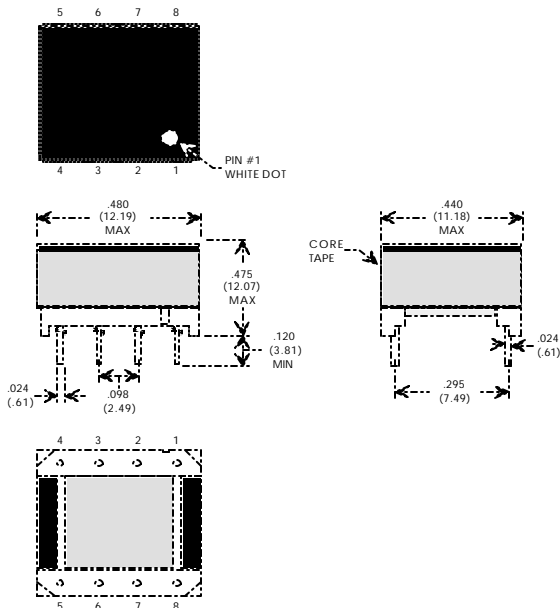
RECOMMENDED PCB LAYOUT
DIMENSION IN INCHES, (mm)



NOTE:
THIS IS 17.0MM LEAD TIP
BOBBIN (B-014 ONLY)

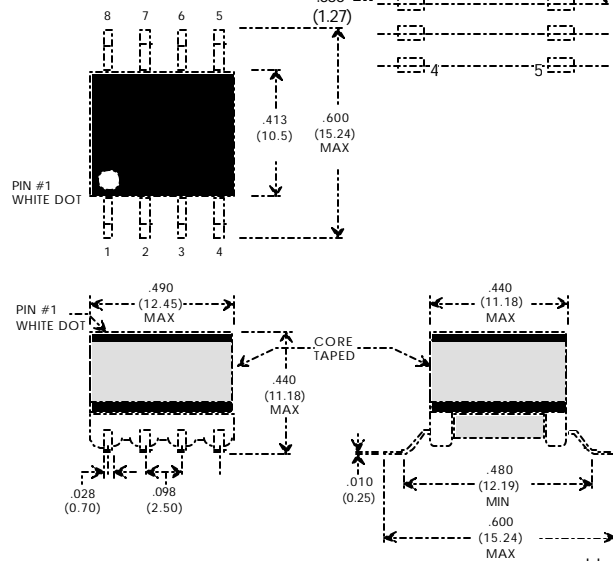
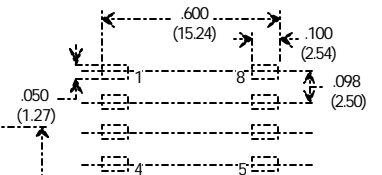


MECH. PKG. "EP10"



MECH. PKG. "EP10G"

RECOMMENDED PCB LAYOUT
DIMENSION IN INCHES, (mm)

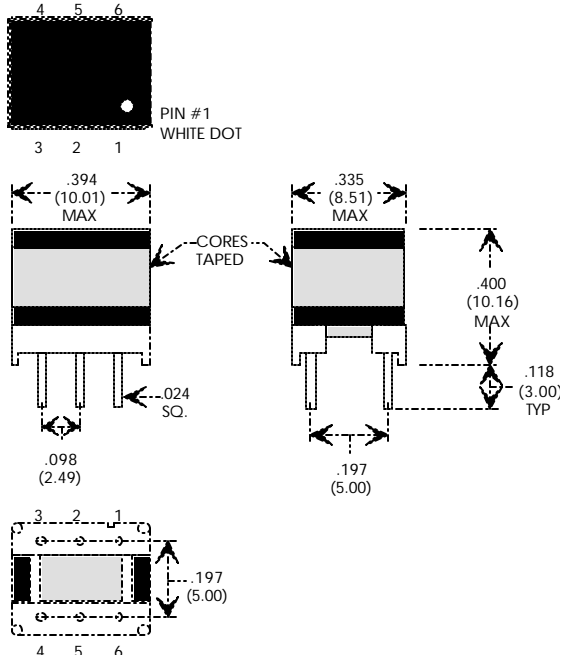


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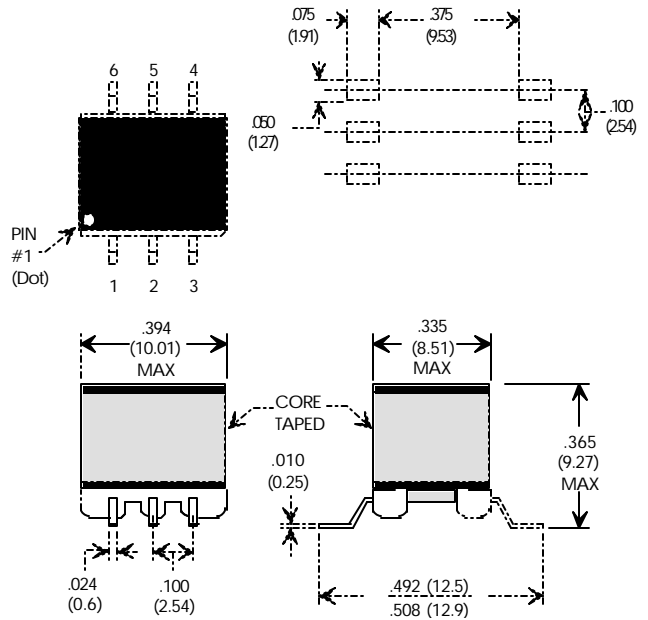
DSL LINE ISOLATION TRANSFORMERS THRU HOLE OR SMD

MECH. PKG. "EP7"



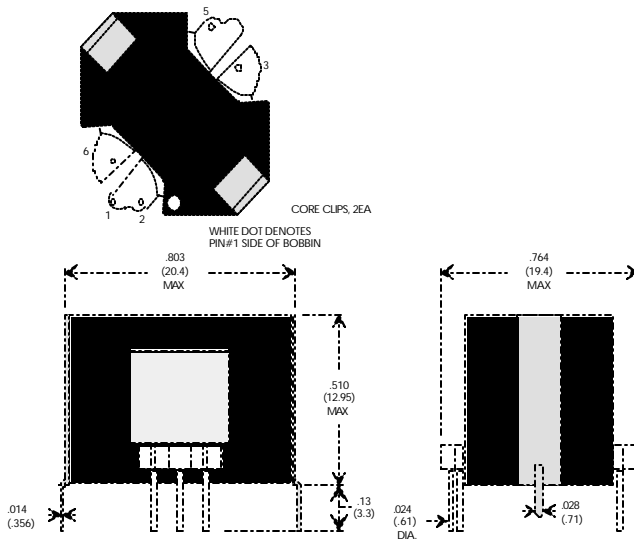
MECH. PKG. "EP7G"

RECOMMENDED PCB LAYOUT DIMENSION IN INCHES. (mm)

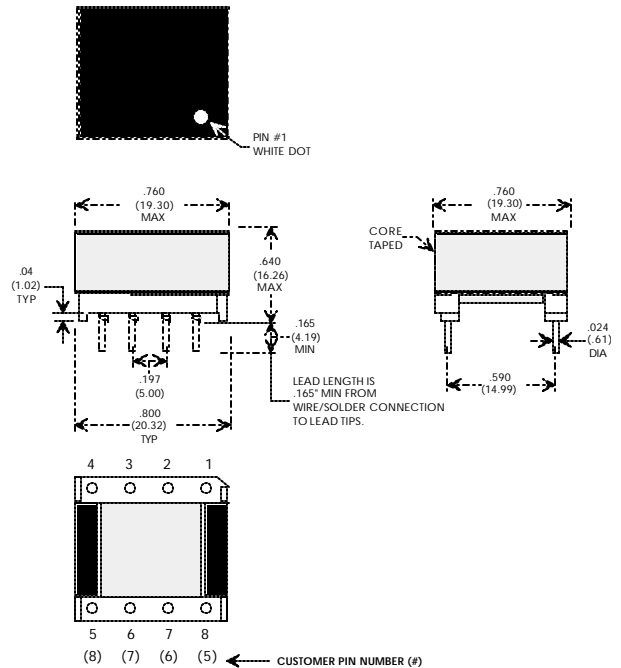


MECH. PKG. "R"

DIMENSIONS IN INCH (mm)

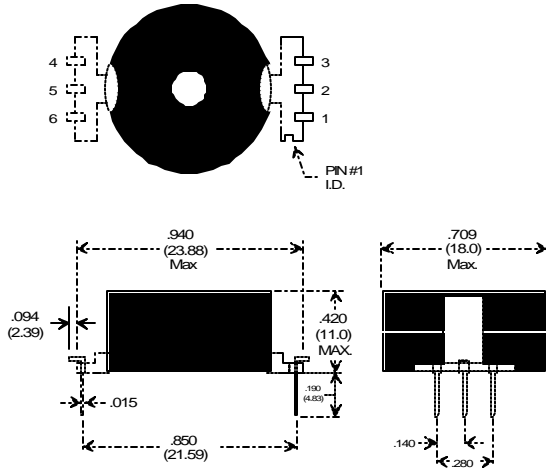


MECH. PKG. "EP17"

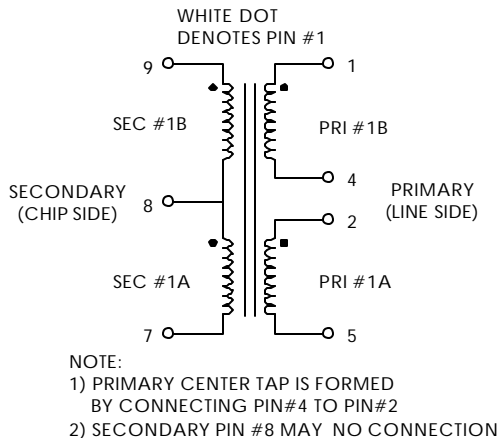


MECH. PKG. "P18/11"

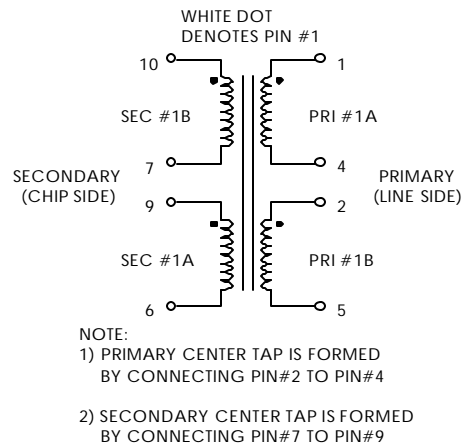
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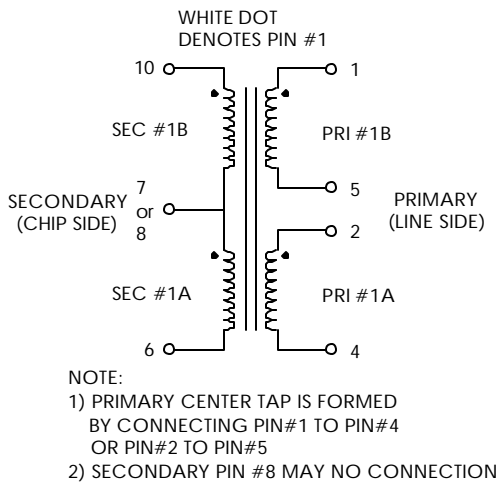
PM-DSLxx SCHEMATIC "A"



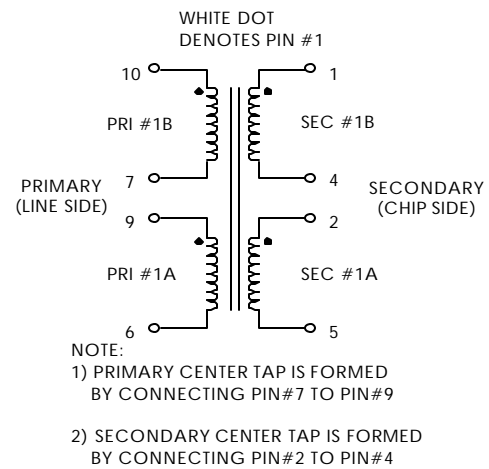
PM-DSLxx SCHEMATIC "B"



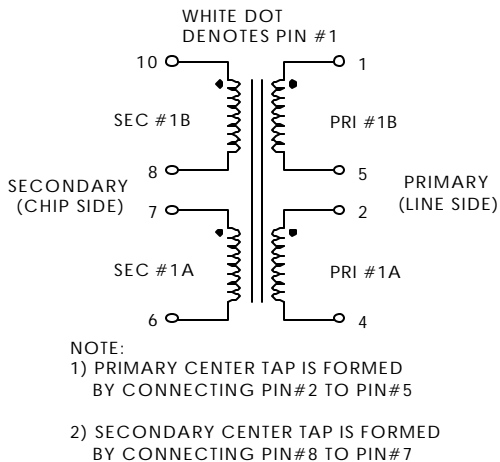
PM-DSLxx SCHEMATIC "C"



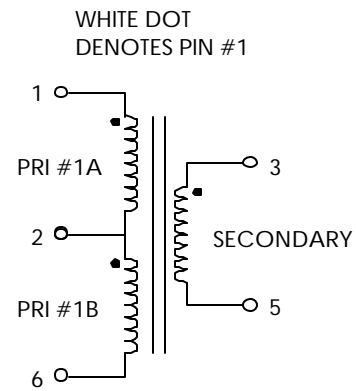
PM-DSLxx SCHEMATIC "D"



PM-DSLxx SCHEMATIC "E"



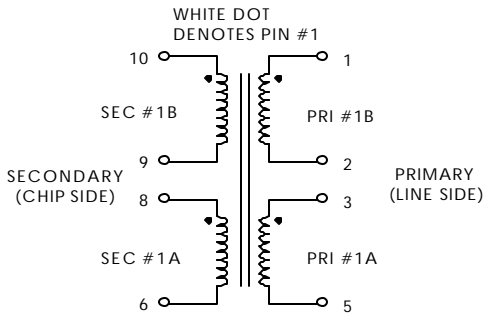
PM-DSLxx SCHEMATIC "F"



Specifications subject to change without notice.

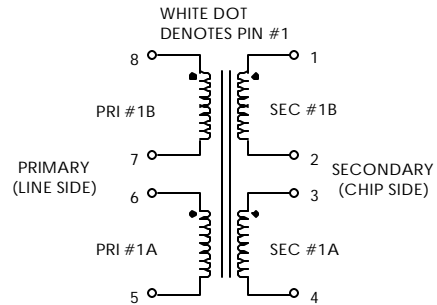
pm-dslxx 01/02

PM-DSLxx SCHEMATIC "G"



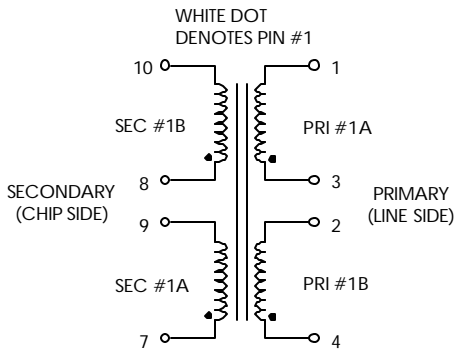
- NOTE:
- 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#3
 - 2) SECONDARY CENTER TAP IS FORMED BY CONNECTING PIN#9 TO PIN#8

PM-DSLxx SCHEMATIC "H"



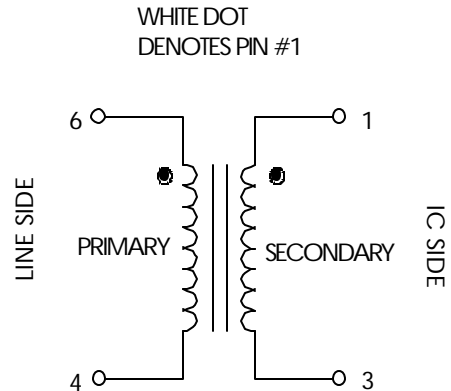
- NOTE:
- 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#6 TO PIN#7
 - 2) SECONDARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#3

PM-DSLxx SCHEMATIC "I"

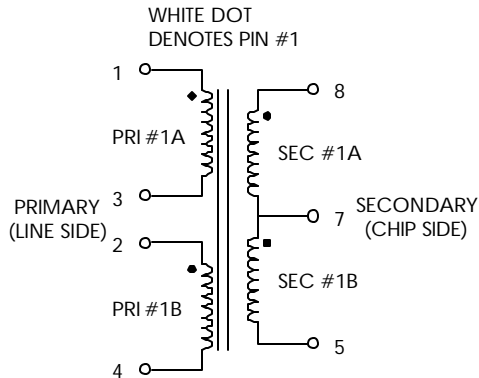


- NOTE:
- 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4
 - 2) SECONDARY CENTER TAP IS FORMED BY CONNECTING PIN#7 TO PIN#9

PM-DSLxx SCHEMATIC "J"

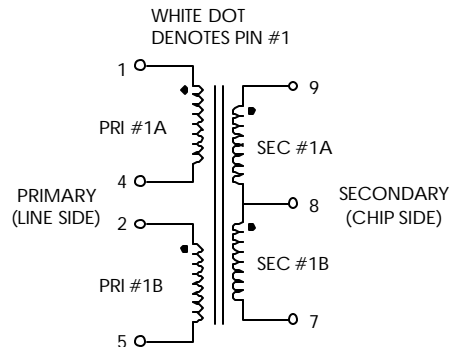


PM-DSLxx SCHEMATIC "K"



- NOTE:
- 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#3

PM-DSLxx SCHEMATIC "L"



- NOTE:
- 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4
 - 2) SECONDARY PIN #8 MAY NO CONNECTION

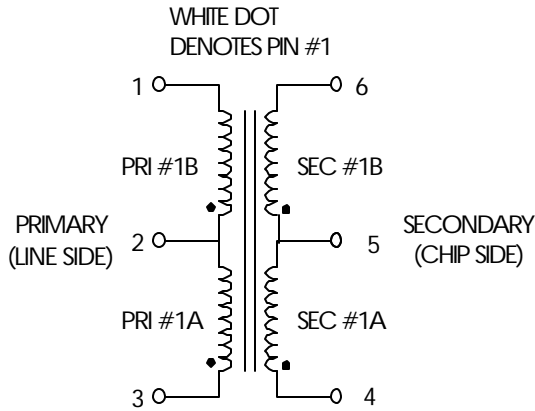
Specifications subject to change without notice.

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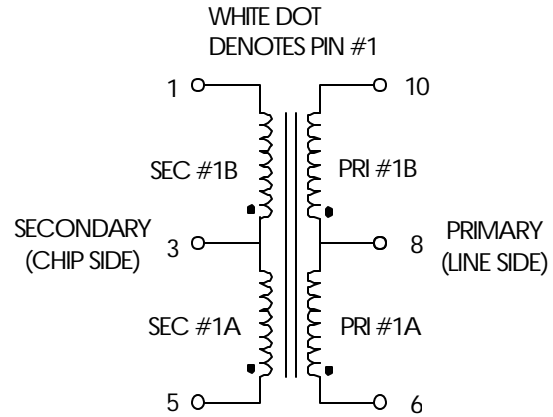
DSL LINE ISOLATION TRANSFORMERS

THRU HOLE OR SMD

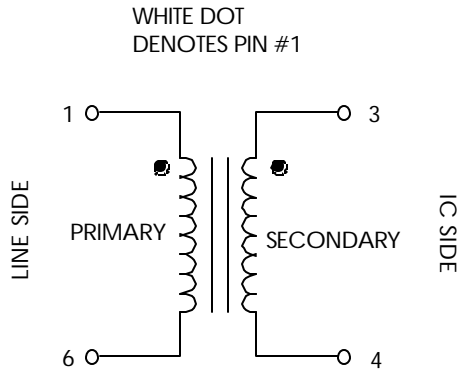
PM-DSLxx SCHEMATIC "M"



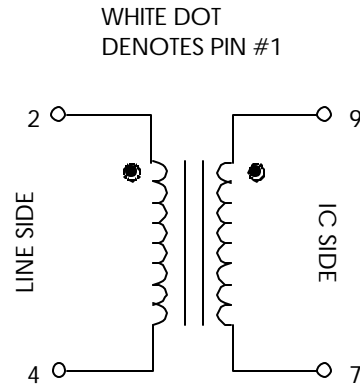
PM-DSLxx SCHEMATIC "N"



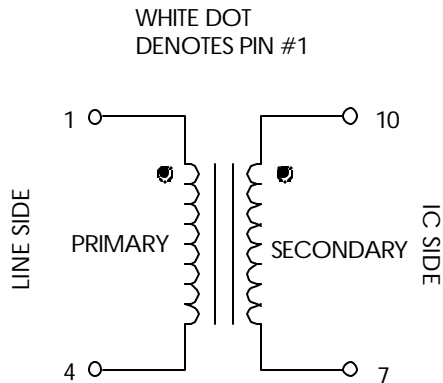
PM-DSLxx SCHEMATIC "O"



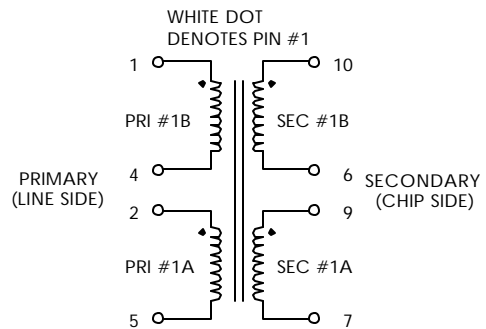
PM-DSLxx SCHEMATIC "P"



PM-DSLxx SCHEMATIC "Q"

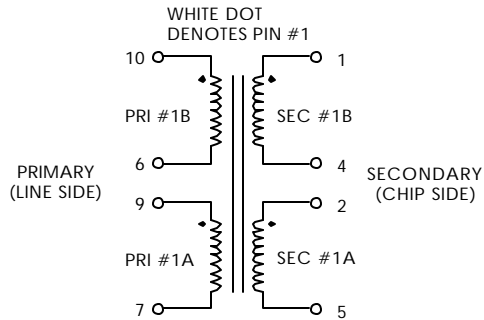


PM-DSLxx SCHEMATIC "R"



- NOTE:
- 1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#4
 - 2) SECONDARY CENTER TAP IS FORMED BY CONNECTING PIN#6 TO PIN#9

PM-DSLxx SCHEMATIC "S"

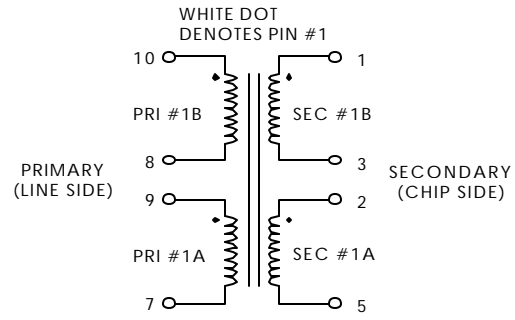


NOTE:

1) PRIMARY CENTER TAP IS FORMED
BY CONNECTING PIN#6 TO PIN#9

2) SECONDARY CENTER TAP IS FORMED
BY CONNECTING PIN#2 TO PIN#4

PM-DSLxx SCHEMATIC "T"

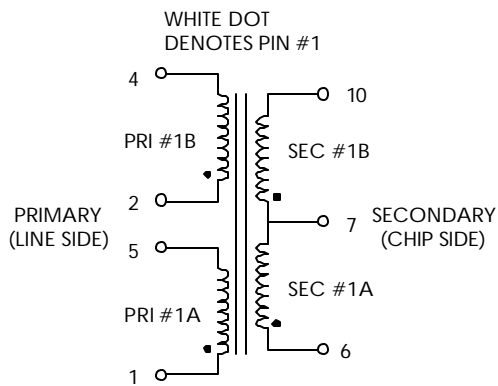


NOTE:

1) PRIMARY CENTER TAP IS FORMED
BY CONNECTING PIN#8 TO PIN#9

2) SECONDARY CENTER TAP IS FORMED
BY CONNECTING PIN#2 TO PIN#3

PM-DSLxx SCHEMATIC "U"

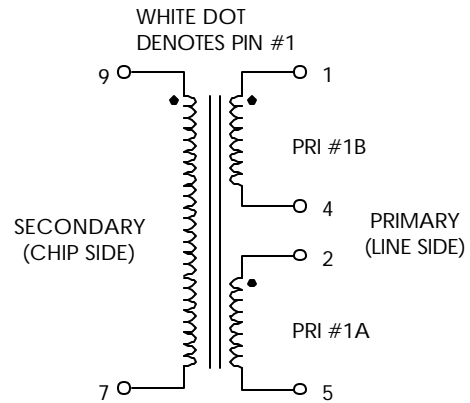


NOTE:

1) PRIMARY CENTER TAP IS FORMED
BY CONNECTING PIN#2 TO PIN#5

2) SECONDARY PIN #7 MAY NO CONNECTION

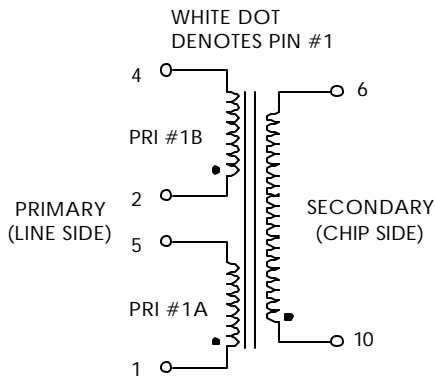
PM-DSLxx SCHEMATIC "V"



NOTE:

1) PRIMARY CENTER TAP IS FORMED
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PM-DSLxx SCHEMATIC "W"

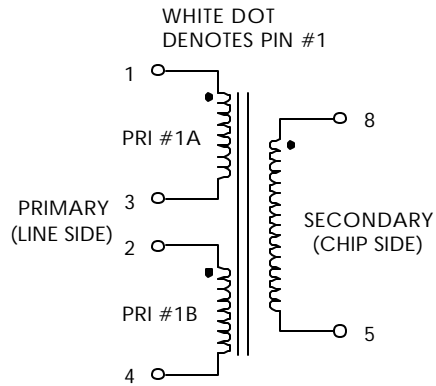


NOTE:

1) PRIMARY CENTER TAP IS FORMED
BY CONNECTING PIN#2 TO PIN#5

Specifications subject to change without notice.

PM-DSLxx SCHEMATIC "X"

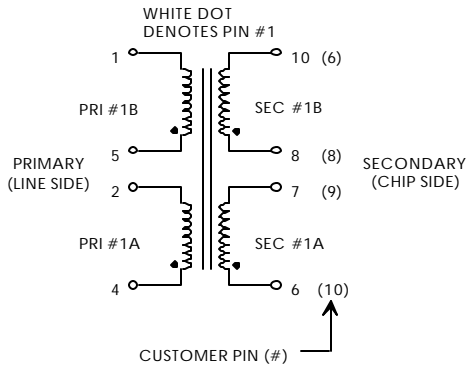


NOTE:

1) PRIMARY CENTER TAP IS FORMED
BY CONNECTING PIN#2 TO PIN#3

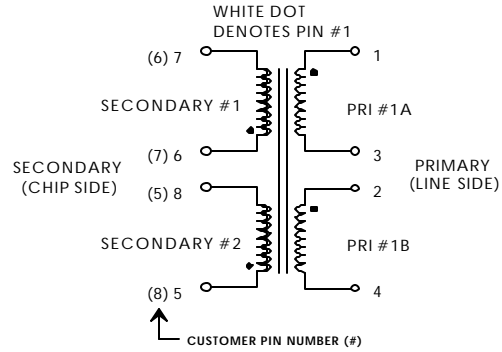
pm-dslxx 06/00

PM-DSLxx SCHEMATIC "Y"



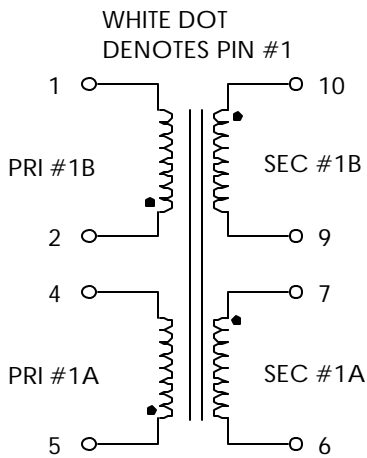
NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#5 TO PIN#2

PM-DSLxx SCHEMATIC "Z"

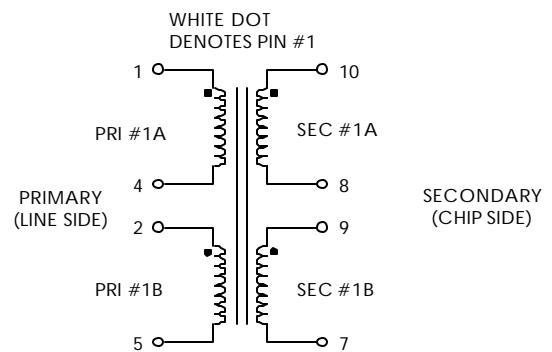


NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#3

PM-DSLxx SCHEMATIC "AA"

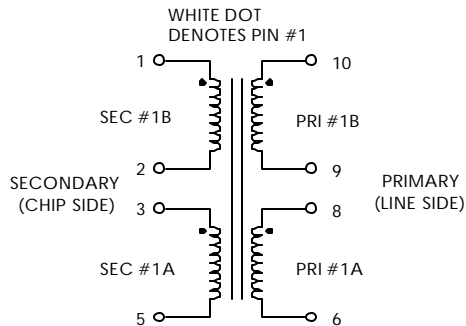


PM-DSLxx SCHEMATIC "AB"



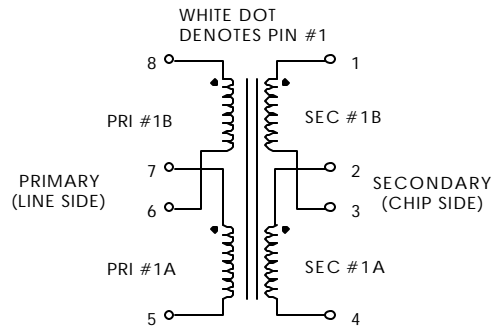
NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#4 TO PIN#2

PM-DSLxx SCHEMATIC "AC"



NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#9 TO PIN#8
2) SECONDARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#3

PM-DSLxx SCHEMATIC "AD"



NOTE:
1) PRIMARY CENTER TAP IS FORMED BY CONNECTING PIN#6 TO PIN#7
2) SECONDARY CENTER TAP IS FORMED BY CONNECTING PIN#2 TO PIN#3

