

- ※Through Hole
- ※Single, 2000 Vrms
- ※For ROHS part add suffix NL
- ※RoHS "NL" peak solder rating 235°C



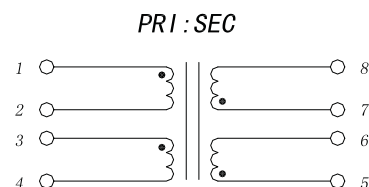
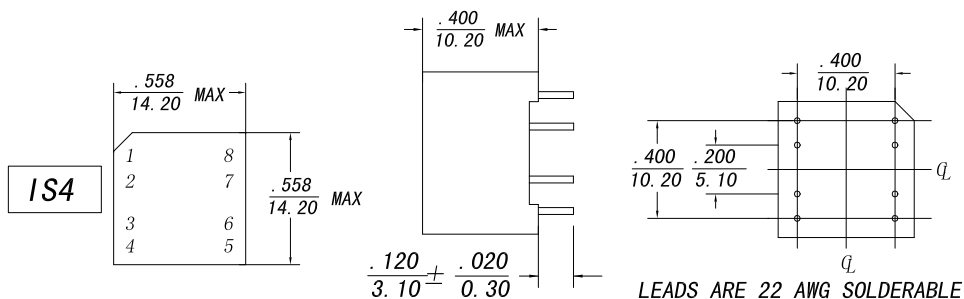
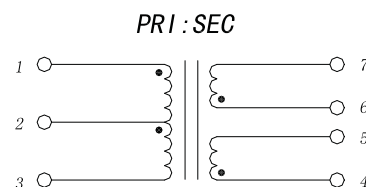
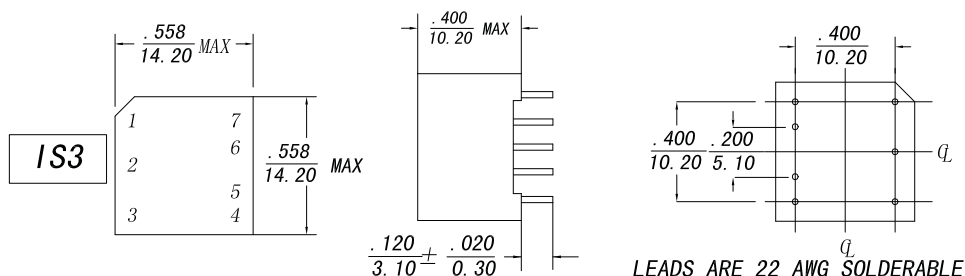
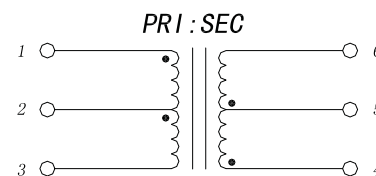
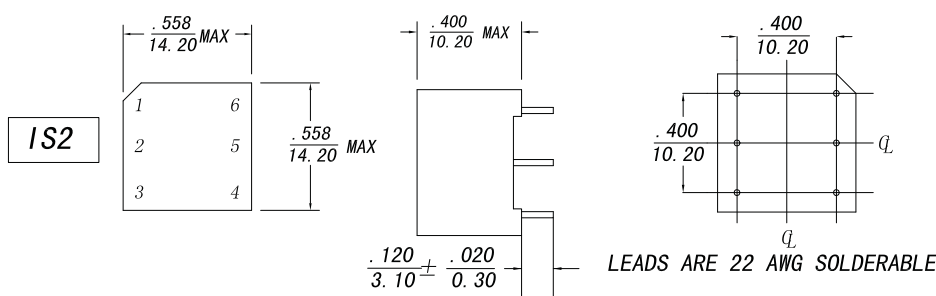
Electrical Specifications @25°C --- Operating Temperature 0°C to 70°C

2KV ISOLATION, THROUGH HOLE, SINGLE TRANSFORMERS

Part Number	Ratio ^A (±2%)	OCL Pri (mH MIN)	L _{Sec} (μH MAX)	C _{ww} (pF MAX)	CD Pri (pF MAX)	DCR Pri (Ω ±25%)	DCR Sec (Ω ±25%)	Isolation (Vrms MIN)	ΔIDC ^C (mA MAX)	Package/ Schematic
LPK84993	1CT: 1CT	22	5	100	42	2.4	2.4	2000	1	IS2
LPK84994	1CT: 1.8CS	22	15	100	160	2.5	4.2	2000	1	IS3
LPK84995	1CT: 2CT	22	15	100	80	2.5	4.3	2000	1	IS2
LPK84996	1CT: 2.5CS	22	30	100	150	2.5	5.8	2000	1	IS3
LPK84998	1CT: 2.5CS	22	15-40	100	110	2.5	5.8	2000	1	IS4
LPK84999	1CT: 2CT	22	11	100	180	2.4	4.4	2000	1	IS2

Mechanicals

Schematics



※Dual and Single Through Hole

Electrical Specifications @25°C --- Operating Temperature 0°C to 70°C

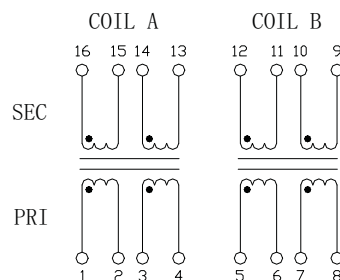
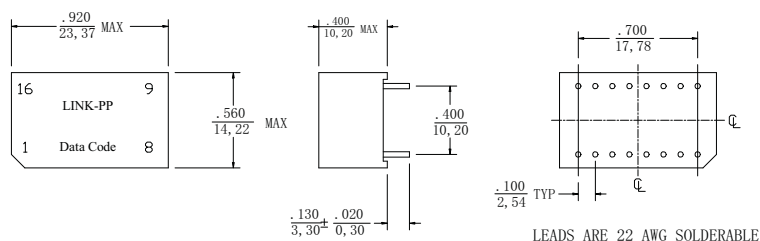
Part Number	COIL A				COIL B				Package/Schematic
	Ratio ^A	Equivalent Single	Primary Pins	Secondary Pins	Ratio ^A	Equivalent Single	Primary Pins	Secondary Pins	
LPK85492	1:1	LPK84993	1-4	16-13	1:2	LPK84995	5-8	12-9	IS5
LPK85493	1:1	LPK84993	1-4	16-13	1:1	LPK84993	5-8	12-9	IS5
LPK85495	1:2	LPK84995	1-4	16-13	1:2	LPK84995	5-8	12-9	IS5
LPK85498	1:2.5	LPK84998	1-4	16-13	1:2.5	LPK84998	5-8	12-9	IS5
LPK85499	1:2	LPK84999	1-4	16-13	1:2	LPK84999	5-8	12-9	IS5

NOTE: Refer to the equivalent single part number for electrical specifications.

Mechanical

Schematic

IS5



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified all tolerances are $\pm \frac{0.10}{0.25}$

Electrical Specifications @25°C --- Operating Temperature 0°C to 70°C

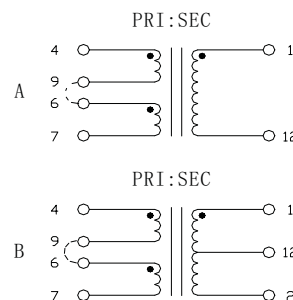
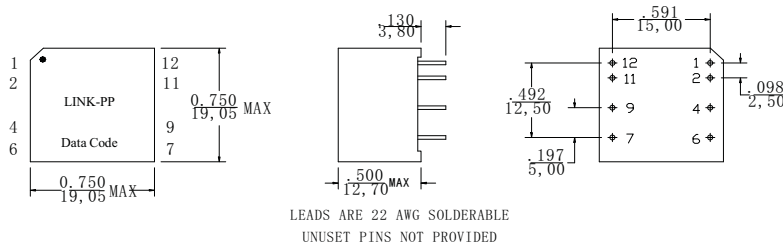
3KV REINFORCED ISOLATION, THROUGH HOLE, SINGLE TRANSFORMERS

Part Number	Ratio ^A ±2% (Pri:Sec)	OCL Pri (mH MIN)	L _L Sec (μH MAX)	C _{WW} (pF MAX)	C _D (pF MAX)	DCR (Ω ±25%)		Unbalanced I _{dc} ^c (mA MAX)	Package/ Schematic
						Primary	Secondary		
LPK88992	1CS: 2CT	22	15	60	80	3.0	5.5	5	IS6
LPK88993	1CS: 1	22	5	40	40	2.8	2.7	5	IS6
LPK88995	1CS: 2	22	15	60	80	3.0	5.5	5	IS6
LPK88998	1CS: 2.5	22	8-40	60	110	3.0	7.0	5	IS6
LPK88999	1CS: 2	22	11	50	110	2.8	5.5	5	IS6

Mechanical

Schematic

IS6



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified all tolerances are $\pm \frac{0.10}{0.25}$

※Transformer Selection and Guide

IC Manufacturer	IC Part number	Dual Surface Mount	Single Through Hole, 2KVrms	Single Through Hole, 3KVrms	Dual Through Hole	Single Through Hole, 3KVrms	Single Through Hole, 3KVrms
		Trans & Rec	Transmit	Receive	Trans&Rec	Transmit	Receive
AMD	Am79C30A/79C32A	LPK85799	LPK84999	LPK84999	LPK85499	LPK88999	LPK88999
AT&T/Lucent	T7250/7256/7259 T7903	LPK85798 LPK85795	LPK84998 LPK84995	LPK84998 LPK84995	LPK85498 LPK85495	LPK88998 LPK88995	LPK88998 LPK88995
Mietec	MTC-2072	LPK85795	LPK84995	LPK84995	LPK85495	LPK88995	LPK88995
Zarlink(Mitel)	MT8930	LPK85795	LPK84995	LPK84995	LPK85495	LPK88995	LPK88995
Motorola	MC145474/145475 MC145574	LPK85793 LPK85798	LPK84993 LPK84998	LPK84993 LPK84998	LPK85493 LPK85498	LPK88993 LPK88998	LPK88993 LPK88998
National	TP3420/3421	LPK85795	LPK84995	LPK84995	LPK85495	LPK88995	LPK88992
SGS Thomson	ST5420, ST5421	LPK85795	LPK84995	LPK84995	LPK85495	LPK88995	LPK88995
Siemens	PEB2080/2081/2085 PSB2186 PEB2084/2086	LPK85795	LPK84995	LPK84995	LPK85495	LPK88995	LPK88995
Yamaha	7405B	LPK85795	LPK84995	LPK84995	LPK85495	LPK88995	LPK88995

Common Mode chokes for Telecom Application

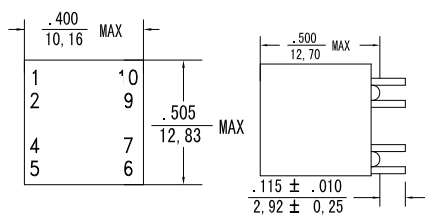
Electrical Specifications @ 25°C ---- Operating Temperature 0°C to 70°C

Part Number	OCL Pri	L _L Sec (μH MAX)	C _{WW} (pF MAX)	DCR (Ω MAX)	Isolation (Vrms MIN)	Package/Schematic
LOW FREQUENCY						
LPB85541	6.0mH MIN	35	25	1.40	1,500	CMC3/A(Through Hole)
LPB85542	1.0mH MIN	10	10	0.70	1,500	CMC3/A(Through Hole)
LPB85853	4.7mH ± 30%	1	60	1.20	500	CMC2/B(Surface Mount)
LPB85950	4.7mH ± 30%	1	50	1.00	500	CMC3/A(Through Hole)
LPB88613	4.7mH ± 30%	1	60	1.00	500	CMC1/B(Through Hole)

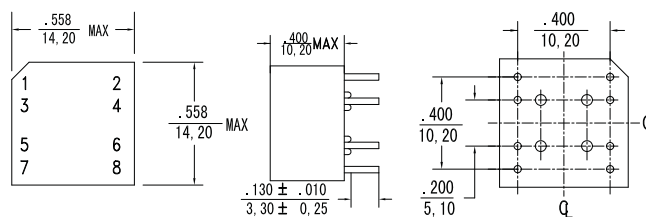
Note: Please see T1/E1 Datasheet for high frequency CMC.

Mechanicals

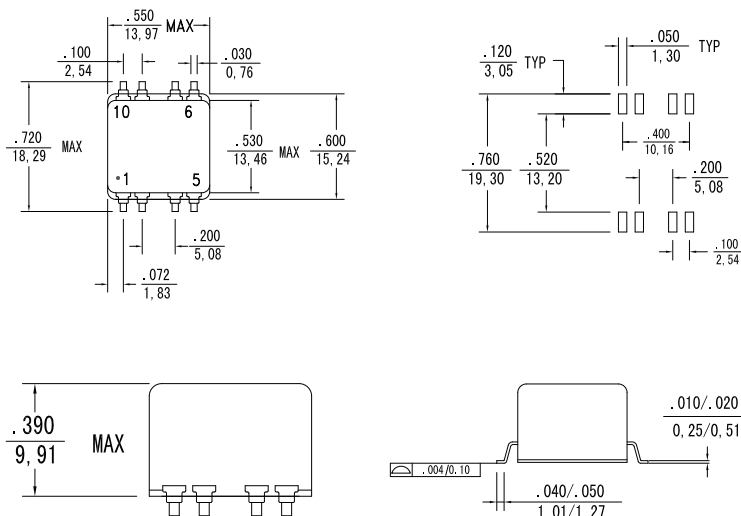
CMC1



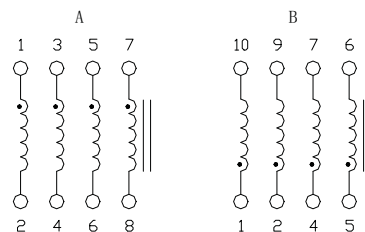
CMC3



CMC2



Schematics



Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0, .25}$