






SMT TYPE INDUCTOR - CROSS REFERENCE BY MANUFACTURERS

3L Part No.	3L Product Appearance	3L Product Dimensions	ABC	BOURNS	CHILISIN/ YAGEO	CENKER	CODACA	COILCRAFT	CYNTEC	MAZO	MAGLAYER	MURATA	NEC TOKIN
PHP201610(P)		2.0*1.6*1.0	*DP2016		*BDHE-201610				*HTQH201610H		*MLV/N-TP10	*DFE201610	
PHP201612(P)		2.0*1.6*1.2			*BDHE-201612						*MLV/N-TP12	*DFE201612	
PHP252010(P)		2.5*2.0*1.0	*DP2510		*BDHE-252010						*MLV/N-YT10	*DFE252010	
PHP252012(P)		2.5*2.0*1.2	*DP2512		*BDHE-252012						*MLV/N-YT12	*DFE252012	
PHP322510(P)		3.2*2.5*1.0			*BDHE-322510						*MLV/N-FY10	*DFE322510	
PHP322512(P)		3.2*2.5*1.2			*BDHE-322512						*MLV/N-FY12	*DFE322512	
PHP322520(P)		3.2*2.5*2.0			*BDHE-322520							*DFE322520	
LHP201610(P)		2.0*1.6*1.0	*DP2016	*SRP2010	*BDHE-201610						*MLV/N-TP10	*DFE201610	
LHP201612(P)		2.0*1.6*1.2			*BDHE-201612						*MLV/N-TP12	*DFE201612	
LHP252010(P)		2.5*2.0*1.0	*DP2510	*SRP2510	*BDHE-252010						*MLV/N-YT10	*DFE252010	
LHP252012(P)		2.5*2.0*1.2	*DP2512	*SRP2512	*BDHE-252012						*MLV/N-YT12	*DFE252012	
LHP322510(P)		3.2*2.5*1.0			*BDHE-322510						*MLV/N-FY10	*DFE322510	
LHP322512(P)		3.2*2.5*1.2			*BDHE-322512						*MLV/N-FY12	*DFE322512	
LHP322520(P)		3.2*2.5*2.0			*BDHE-322520							*DFE322520	
THP141208		1.4*1.2*0.8				*CKST141208							
THP160808		1.6*0.8*0.8				*CKST160808				*HTE 16080H			
THP201208		2.0*1.2*0.8					*CKST201208			*HTE 20120H			
THP201210		2.0*1.2*1.0					*CKST201210			*HTE 20121T			
THP201610		2.0*1.6*1.0		*SRP2012TMA			*CKST201610			*HTE 20161T			
THP201612		2.0*1.6*1.2								*HTE 20161B			
THP252010		2.5*2.0*1.0		*SRP2512TMA			*CKST252010			*HTE 25201T			
THP252012		2.5*2.0*1.2					*CKST252012			*HTE 25201B			
THP322510		3.2*2.5*1.0		*SRP3212A									
THP322512		3.2*2.5*1.2					*CKST322512			*HTE 32251B			
THP322520		3.2*2.5*2.0					*CKST322520						
TUP0421			4.1*4.1*2.1		*SRP4020FA		*ACKSTF0402S	*CSEB0420	*XAL4020				
TUP0403	4.1*4.1*3.0			*SRP4030FA			*CSEB0430	*XAL4030					
TUP0521	5.3*5.5*2.1							*CSEB0520	*XAL5020				
TUP0531	5.3*5.5*3.1			*SRP5030CA		*ACKSTW0503S	*CSEB0530	*XAL5030					
TUP0505	5.3*5.5*5.0			*SRP5050FA				*CSEB0550	*XAL5050				
TUP0631	6.4*6.6*3.1			*SRP6030CA		*ACKSTW0603S	*CSEB0630	*XAL6030					

TUP0605		6.4*6.6*5.0		*SRP6050CA																
TUP0606		6.4*6.6*6.0		*SRP6060FA				*CSEB0660	*XAL6060											
TUP0721		7.6*7.8*2.1							*XAL7020											
TUP0731		7.6*7.8*3.1		*SRP7030CA					*CSEB0730	*XAL7030										
TUP0707		7.6*7.8*7.0							*CSEB0770	*XAL7070										
TUP0808		8.5*8.9*8.0							*CSEB0880	*XAL8080										
TUP1031		11.0*11.9*3.1							*CSEB1030	*XAL1030										
TUP1006		11.0*11.9*6.0					*ACKSTW1006S		*CSEB1060	*XAL1060										
TUP1010		11.0*11.9*10.0							*CSEB1090	*XAL1010										
TUP1508		15.5*16.5*8.0		*SRP1580CA					*CSEB1508	*XAL1580										
TUP1510		15.5*16.5*10.0		*SRP1510CA					*CSEB1510	*XAL1510										
TUP1513		15.5*16.5*13.0		*SRP1513CA						*XAL1513										
HPI201610(P)			2.0*1.6*1.0																	*HMLQ20161T
HPI201612(P)	2.0*1.6*1.2																		*HMLQ20161B	
HPI252010(P)	2.5*2.0*1.0																		*HMLQ25201T	
HPI252012(P)	2.5*2.0*1.2																		*HMLQ25201B	
HPI0310		3.4*3.0*1.0	*HC0310																	
HPI0312		3.4*3.0*1.2	*HC0312	*SRP3012TA																
HPI0315		3.4*3.0*1.5	*HC0315																	
HPI0302		3.4*3.0*2.0	*HC0320	*SRP3020TA				*CKST0302												
HPI0410		4.4*4.0*1.0	*HC0410					*CKSTT0410												*HBLQ041T
HPI0412		4.4*4.0*1.2	*HC0412	*SRP4012TA	*BMRA_040412										*HBLE041B	*MPCA0412	*MMD-04AB			*FDSD0412
HPI0415		4.4*4.0*1.5	*HC0415		*BMRA_040415										*HPCA0415	*MMD-04AE				*FDSD0415
HPI0402		4.4*4.0*2.0	*HC0420	*SRP4020TA	*BMRA_040420			*CKST0402	*CSAB/C0420						*HBLE041H	*MPCA0420	*MMD-04BZ			*FDSD0420
HPI0510		5.7*5.4*1.0	*HC0510																	
HPI0512		5.7*5.4*1.2	*HC0512	*SRP5012	*BMRB_050512										*PCMB051B		*MMD-05ABH			*FDSD0512
HPI0515		5.7*5.4*1.5	*HC0515	*SRP5015	*BMRB_050515										*PCME051E		*MMD-05AEH			*FDSD0515
HPI0518		5.7*5.4*1.8			*BMRB_050518				*CSAB/C0518						*PCMB051H	*MPCA0518	*MMD-05AHN			*FDSD0518
HPI0502		5.7*5.4*2.0	*HC0520	*SRP5020	*BMRB_050520			*CKST0502												*MPX1D0520
UPI S0603		7.3*6.8*3.0	*HE0630	*SRP7028A	*BMRA_060630		*CKST0603	*CSAB/C0730						*CMLB063T	*MPCA0630	*MMD-06CZ			*FDVE0630 *MPX1D0630	
UPI0603		7.8*7.0*3.2	*HE0630	*SRP7028A	*BMRA_060630			*CKST0603	*CSAB/C0730						*CMLB063T	*MPCA0630	*MMD-06CZ			*FDVE0630 *MPX1D0630
UPI0604		7.8*7.0*4.2	*HE0640	*SRP6540A					*CSAB/C0740						*CMLE064T	*MPCA0640	*MMD-06DZ			*FDVE0640
UPI0804		8.9*8.25*4.0				*BMMA_080840														*MPX1D0840
UPI1004		11.8*10.5*4.2	*HE1040	*SPR1038A	*BMCA_101040			*CKST1004	*CSAB/C1040						*CMLB104T	*LPCA1040	*MMD-10DZ			*FDUE1040 *MPX1D1040
UPI1005		11.8*10.5*5.0						*CKST1005	*CSAB/C1050											

UPI1203		13.9*13.5*3.7	*HE1235	*SRP1238A			*CSAB/C1235				* MMD-12CE		*MPX1D1235
UPI1205		13.9*13.5*5.2	*HE1250	*SRP1245A	*BMMA_131350	*CKST1205	*CSAB/C1250		*CMLB135T	*LPCA1350	* MMD-12EZ	*FDUE1245	*MPX1D1250
UPI1265		13.9*13.5*6.5	*HE1265	*SRP1265A		*CKST1206	*CSAB/C1265		*CMLS136T	*LPCA1360		*FDUE1260	*MPX1D1264
UPI1207		13.9*13.5*7.0									* MMD-12FD		
UPI1508		16.2*15.3*8.0											
UPI1704		17.8*17.3*4.0											*MPX1D1740
UPI1707		17.8*17.3*7.0	*HE1770	*SRP1770TA	*BMMA_171770	*CKST1707	*CSAB/C1770		*CMLB177T	*LPCA1770	*MMD-17GZ		*MPX1D1770
UPI2213		23.5*22.5*13		*SRP2313AA									*MPX1D2213

Note :

1. The Part No. with * refers to the certain difference exist on the electric characteristics of the parts,
2. The Part No. with @ refers to 3L's specification is better, 3L's part can replace this type.
3. The Part No without marking refers to the specification is the same, 3L's part can replace this type.
4. All dimensions are defined as L x W x H and the unit for all dimensions is "mm"
5. The magnetic structure:  / Unshielded  /Shielded



Fully-automatic production




Semi-automatic production





SMT TYPE INDUCTOR - CROSS REFERENCE BY MANUFACTURERS

3L Part No.	3L Product Appearance	3L Product Dimensions	PDC	PSA	PULSE	SAMSUNG	SPORTON	SUMIDA	SUNLORD	TAI-TECH	TDK	VISHAY	WURTH
PHP201610(P)		2.0*1.6*1.0				*CIGT201610	*EMPI201610	*201610CDMCCDS	*MPH201610S		*FTM201610ALM		*744792761
PHP201612(P)		2.0*1.6*1.2				*CIGT201612	*EMPI201612		*MPH201612S				
PHP252010(P)		2.5*2.0*1.0				*CIGT252010	*EMPI252010	*252010CDMCCDS	*MPH252010C	*AWP252010			
PHP252012(P)		2.5*2.0*1.2				*CIGT252012	*EMPI252012	*252012CDMCCDS	*MPH252012C	*AWP252012	*TMS252012ALM		*744792881
PHP322510(P)		3.2*2.5*1.0					*EMPI322510						*744792982
PHP322512(P)		3.2*2.5*1.2											*744792991
PHP322520(P)		3.2*2.5*2.0											
LHP201610(P)		2.0*1.6*1.0	*MCS20FC	*WIP201610		*CIGW201610	*EMPI201610	*201610CDMCCDS	*MPH201610S		*FTM201610ALM		*744792761
LHP201612(P)		2.0*1.6*1.2	*MCS20FD	*WIP201612		*CIGW201612	*EMPI201612		*MPH201612S				
LHP252010(P)		2.5*2.0*1.0	*MCS25GC	*WIP252010		*CIGT252010	*EMPI252010	*252010CDMCCDS	*MPH252010C	*AWP252010			
LHP252012(P)		2.5*2.0*1.2	*MCS25GD	*WIP252012		*CIGW252012	*EMPI252012	*252012CDMCCDS	*MPH252012C	*AWP252012	*TMS252012ALM		*744792881
LHP322510(P)		3.2*2.5*1.0					*EMPI322510						*744792982
LHP322512(P)		3.2*2.5*1.2		*WIP322512		*CIGW322512							*744792991
LHP322520(P)		3.2*2.5*2.0											
THP141208		1.4*1.2*0.8											
THP160808		1.6*0.8*0.8											
THP201208		2.0*1.2*0.8											
THP201210		2.0*1.2*1.0											
THP201610		2.0*1.6*1.0							*MWTC201610	*FMIM201610			*7443834300
THP201612		2.0*1.6*1.2								*FMIM201612			
THP252010		2.5*2.0*1.0							*MWTC252010	*FMIM252010			*744383230
THP252012		2.5*2.0*1.2								*FMIM252012			*744383240
THP322510		3.2*2.5*1.0											
THP322512		3.2*2.5*1.2								*FMIM322512			
THP322520		3.2*2.5*2.0								*FMIM322520			
TUP0421			4.1*4.1*2.1			*PA5001					*TMPF0402		
TUP0403	4.1*4.1*3.0				*PA5430								
TUP0521	5.3*5.5*2.1				*PA5002								
TUP0531	5.3*5.5*3.1				*PA5003					*TMPF0503			
TUP0505	5.3*5.5*5.0				*PA5175					*TMPF0505			
TUP0631	6.4*6.6*3.1				*PA5004					*TMPF0603			*744393440

TUP0605		6.4*6.6*5.0			*PA5005					*TMPF0605			
TUP0606		6.4*6.6*6.0			*PA5432					*TMPF0606			*744393460
TUP0721		7.6*7.8*2.1			*PA5006								
TUP0731		7.6*7.8*3.1			*PA5007					*TMPF0703			
TUP0707		7.6*7.8*7.0			*PA2240					*TMPF0707			
TUP0808		8.5*8.9*8.0			*PA2241								*744393580
TUP1031		11.0*11.9*3.1			*PA2242								
TUP1006		11.0*11.9*6.0			*PA2243								
TUP1010		11.0*11.9*10.0			*PA2244								*744393690
TUP1508		15.5*16.5*8.0			*PA5433								
TUP1510		15.5*16.5*10.0			*PA2247								*74439370
TUP1513		15.5*16.5*13.0			*PA2248								
HPI201610(P)		2.0*1.6*1.0										*IHHP-0806AZ	
HPI201612(P)		2.0*1.6*1.2										*IHHP-0806AB	
HPI252010(P)		2.5*2.0*1.0										*IHHP-1008AZ	*78438323
HPI252012(P)		2.5*2.0*1.2										*IHHP-1008AB	*78438324
HPI0310		3.4*3.0*1.0									*SPM3010-LR		*78438333
HPI0312		3.4*3.0*1.2	*MCS0312		*PA5400		*TMPC0312			*TMPC0312	*SPM3012-LR	*IHLP-1212AB	*78438334
HPI0315		3.4*3.0*1.5			*PA4547					*TMPC0315	*SPM3015-LR	*IHLP-1212AE	*78438335
HPI0302		3.4*3.0*2.0	*MCS0320		*PA5401		*TMPC0302			*TMPC0302	*SPM3020-LR	*IHLP-1212BZ	*78438336
HPI0410		4.4*4.0*1.0						*0410CDMCD/DS	*MWSA0410	*TMPC0401	*SPM4010-LR		*78438356
HPI0412		4.4*4.0*1.2	*MCS0412		*PA4546		*TMPC0412	*0412CDMCD/DS	*MWSA0412	*TMPC0412	*SPM4012-LR	*IHLP-1616AB	
HPI0415		4.4*4.0*1.5						*0415CDMCD/DS	*MWSA0415	*TMPC0415	*SPM4015-LR		
HPI0402		4.4*4.0*2.0	*MCS0420	*WMM0420PX	*PA5402		*TMPC0402	*0420CDMCD/DS	*MWSA0420	*TMPC0402	*SPM4020-LR	*IHLP-1616BZ	
HPI0510		5.7*5.4*1.0									*SPM5010T		
HPI0512		5.7*5.4*1.2	*MCS0512		*PA5403		*TMPC0512	0512CDMCCDS		*TMPC0512	*SPM5012T	*IHLP2020AB	
HPI0515		5.7*5.4*1.5	*MCS0515				*TMPC0515			*TMPC0515	*SPM5015T		
HPI0518		5.7*5.4*1.8	*MCS0518				*TMPC0518	0518CDMCCDS	*MWSA0518S	*TMPC0518			
HPI0502	5.7*5.4*2.0	*MCS0520		*PA4345		*TMPC0502			*TMPC0502	*SPM5020T	*IHLP2020BZ		
UPI S0603		7.3*6.8*3.0	*MCS0630		*PA4341		*TMPD0603	*0630CDMCD/DS	*MWSA0603	*TMPC0603	*SPM6530	*IHLM-2525CZ	
UPI0603		7.8*7.0*3.2	*MCS0630		*PA4341		*TMPD0603	*0630CDMCD/DS	*MWSA0603	*TMPC0603	*SPM6530	*IHLM-2525CZ	
UPI0604		7.8*7.0*4.2	*MCS0640				*TMPC0604		*MWSA0604S	*TMPC0604		*IHLP-2525EZ	
UPI0804		8.9*8.25*4.0			*PA5449			*0840CDMCD/DS	*MWSA0804S			*IHLP-3232DZ	
UPI1004		11.8*10.5*4.2	*MCS1040		*PA4342		*TMPD1004	*104CDMCD/DS	*MWSA1004	*TMPC1004	*SPM10040	*IHLP-4040DZ	
UPI1005		11.8*10.5*5.0	*MCS1050						*MWSA1005S	*TMPC1005			

UPI1203		13.9*13.5*3.7			*PA5405		*TMPC1235			*TMPC1235		*IHL-5050CE	
UPI1205		13.9*13.5*5.2	*MCS1250		*PA4346		*TMPC1205	*125CDMCD/DS	*MWSA1205S	*TMPC1205		*IHL-5050EZ	
UPI1265		13.9*13.5*6.5	*MCS1265		*PA4343		*TMPC1265		*MWSA1265S	*TMPC1265	*SPM12565	*IHL-5050FD	
UPI1207		13.9*13.5*7.0											
UPI1508		16.2*15.3*8.0											
UPI1704		17.8*17.3*4.0											*IHL-6767DZ
UPI1707		17.8*17.3*7.0	*MCS1770		*PA4344		*TMPC1707		*MWSA1707S	*TMPC1707			*IHL-6767GZ
UPI2213		23.5*22.5*13			*PA4349A				*MWSA2213S	*TMPA2213			*IHL8787MZ

Note :

1. The Part No. with * refers to the certain difference exist on the electric characteristics of the parts,
2. The Part No. with @ refers to 3L's specification is better, 3L's part can replace this type.
3. The Part No without marking refers to the specification is the same, 3L's part can replace this type.
4. All dimensions are defined as L x W x H and the unit for all dimensions is "mm"
5. The magnetic structure:  / Unshielded  /Shielded



Fully-automatic production



Semi-automatic production