

AUTOMOTIVE

INDUCTOR SELECTION













WeChat Mini Apps











PRODUCTS
BROCHURE











WWW.3LCOIL.COM



SMT Inductor for Automotive Power Lines

Molding type					
Series	APHP	ALHP	AHPI	ATUP	ATUP
Photos	 	 	 	 	 
Size	APHP201610 2.0x1.6x1.0 APHP201612 2.0x1.6x1.2 APHP252010 2.5x2.0x1.0 APHP252012 2.5x2.0x1.2 APHP322512 3.2x2.5x1.2 APHP322520 3.2x2.5x2.0	ALHP201610 2.0x1.6x1.0 ALHP201612 2.0x1.6x1.2 ALHP252010 2.5x2.0x1.0 ALHP252012 2.5x2.0x1.2 ALHP322512 3.2x2.5x1.2 ALHP322520 3.2x2.5x2.0	AHPI0312 3.4x3.0x1.2 AHPI0302 3.4x3.0x2.0 AHPI0412 4.4x4.0x1.2 AHPI0402 4.4x4.0x2.0 AHPI0503 5.5x5.2x3.0	ATUP0421 4.1x4.1x2.1 ATUP0403 4.1x4.1x3.0 ATUP0521 5.3x5.5x2.1 ATUP0505 5.3x5.5x5.0 ATUP0631 6.4x6.6x3.1 ATUP0606 6.4x6.6x6.0	ATUP0721 7.6x7.8x2.1 ATUP0707 7.6x7.8x7.0 ATUP1031 11.0x11.9x3.1 ATUP1010 11.0x11.9x10.0 ATUP1508 15.5x16.5x8.0 ATUP1513 15.5x16.5x13.0
Feature	201610 0.47~3.3uH 2.7~1.1A 201612 0.47~3.3uH 2.8~1.3A 252010 0.47~4.7uH 3.5~1.2A 252012 0.24~4.7uH 5.0~1.4A 322512 0.47~4.7uH 5.3~1.6A 322520 1.00~10.0uH 4.5~1.0A	201610 0.47~3.3uH 2.7~1.1A 201612 0.47~3.3uH 2.8~1.3A 252010 0.47~4.7uH 3.5~1.2A 252012 0.24~4.7uH 5.0~1.4A 322512 0.47~4.7uH 5.3~1.6A 322520 1.00~10.0uH 4.5~1.0A	0312 0.33~4.70uH 7.0~1.8A 0302 1.00~6.80uH 5.0~1.8A 0412 0.22~4.70uH 10~2.0A 0402 0.47~15.0uH 10~1.5A 0503 1.00~22.0uH 8.5~1.9A	0421 0.10~2.2uH 33~6A 0403 0.47~6.8uH 13.5~3A 0521 0.15~1.5uH 27~10A 0505 5.6~15.0uH 7.2~3.2A 0631 0.18~4.5uH 36~8.0A 0606 1.0~22.0uH 19~4.8A	0721 0.27~1.00uH 27~20A 0707 1.00~6.80uH 31.8~10A 1031 0.28~1.50uH 55~23A 1010 2.20~15.0uH 29~11A 1508 2.00~22.0uH 52~16A 1513 4.70~33.0uH 36~16A
Temp	-55~155°C	-55~155°C	-55~155°C	-55~155°C	-55~155°C

Molding type					
Series	ACTP	AUPI	AUPI	UPIMB	UPIMF
Photos	 	 	 	 	 
Size	ACTP0754W 7.7x7.2x5.4 ACTP1054W 11.0x10.0x5.4	AUPI0603 7.10x6.60x3.0 AUPI0604 7.10x6.60x4.0 AUPI0804 8.60x8.00x4.0 AUPI0854 8.60x8.00x5.4 AUPI1004T 11.0x10.0x4.0 AUPI1005T 11.0x10.0x5.0	AUPI1054T 11.0x10.0x5.4 AUPI1205T 13.4x12.6x5.0 AUPI1265T 13.4x12.6x6.5 AUPI1707 17.3x17.0x7.0	UPIMBS0603 7.10x6.60x3.0 UPIMB0804 8.60x8.10x4.0 UPIMB1004T 11.0x10.0x4.0 UPIMB1205T 13.4x12.6x5.0 UPIMB1265T 13.4x12.6x6.5 UPIMB1707 17.3x17.0x7.0	UPIMFS0603 7.10x6.60x3.0 UPIMF0804 8.60x8.10x4.0 UPIMF1004T 11.0x10.0x4.0 UPIMF1205 13.4x12.6x5.0 UPIMF1265 13.4x12.6x6.5
Feature	0754 1.50~100uH 14.0~2.0A 1054 0.68~100uH 39.4~3.0A	0603 0.47~22.0uH 21~3.5A 0604 2.20~33.0uH 13~3.0A 0804 0.33~33.0uH 42~2.6A 0854 10.0~22.0uH 8.0~6.2A 1004T 2.20~47.0uH 22~3.2A 1005T 3.30~22.0uH 18~5.0A	1054T 4.70~33.0uH 15.7A~5.5A 1205T 0.22~10.0uH 65A~10A 1265T 0.47~33.0uH 46A~6.0A 1707 1.50~10.0uH 50A~20A	S0603 1.00~22.0uH 22~3.5A 0804 0.33~33.0uH 44~5.4A 1004T 2.20~47.0uH 26~4.5A 1205T 0.22~33.0uH 90~10A 1265T 0.33~47.0uH 85~8.0A 1707 1.50~4.70uH 60~41.0A	S0603 1.00~22.0uH 18~3.5A 0804 0.33~47.0uH 38~3.2A 1004T 2.20~47.0uH 20~3.2A 1205T 0.22~10.0uH 65~10.0A 1265T 0.68~33.0uH 45~6.0A
Temp	-55~155°C	-55~155°C	-55~155°C	-55~125°C	-55~125°C

Wire Wound Ferrite typ					
Series	SMTER	SMTDRH	SMTDRRI	SNR	SMTDR
Photos	 	 	 	 	 
Size	SMTER64M 7.9x7.0x4.0 SMTER65M 7.9x7.0x5.0	SMTDRH104RM 10.3x10.4x4.0 SMTDRH105RM 10.3x10.4x5.0	SMTDRRI127PM 12.0x12.0x8.5	SNR3015WM 3.00x3.00x1.50 SNR4018WM 4.00x4.00x1.80 SNR4030WM 4.00x4.00x3.00 SNR5040WM 5.00x5.00x4.10 SNR6045WM 6.00x6.00x4.50 SNR8040WM 8.00x8.00x4.20	SMTDR53M 5.8x5.2x3.0 SMTDR54M 5.8x5.2x4.5 SMTDR75M 7.8x7.0x5.0 SMTDR105M 10.0x9.0x5.4
Feature	64M 0.22~0.68uH 19.5~11.2A 65M 0.47~3.30uH 8.0~2.8A	104RM 7.0~330uH 4.8~0.70A 105RM 6.8~330uH 5.6~0.68A	127PM 3.5~330uH 13~1.54A	3015WM 1.5~15.0uH 2.3~0.7A 4018WM 1.0~22.0uH 4.3~0.8A 4030WM 1.0~56.0uH 5.5~0.88A 5040WM 1.0~100uH 7.5~0.7A 6045WM 1.0~470uH 9.85~0.5A 8040WM 1.0~1000uH 12~0.4A	53M 2.70~270uH 4.25~0.44A 54M 10.0~330uH 1.60~0.33A 75M 10.0~470uH 2.88~0.40A 105M 10.0~820uH 4.0~0.44A
Temp	-40~125°C	-40~125°C	-40~125°C	-40~125°C	-40~125°C

PS: Note: 1. All dimensions are defined as OD x L or L x W x H and the unit for all dimensions is "mm"

2. The magnetic structure:  Unshielded    Shielded

SMT Inductor for Automotive

	Double-Wire Winding		Common mode		Current Sensor
Series	SMTDRRI-4P	DUPIMB	SMTSDR-4P	SMDWCM & SMTLF	SMTEE
Photos					
Size	SMTDRRI127PA 12x12x 8.5 	DUPIMB0778W 7.2x7.9x7.6	SMTSDR5025SM 4.8x5.0x2.5 SMTSDR5045SM 4.8x5.0x4.5	SMDWCM2012 2.0x1.2x1.2 SMDWCM3216 3.2x1.6x2.0 SMDWCM3225 3.2x2.5x2.5 SMDWCM4532 4.5x3.2x2.8 SMTLF3922PM 9.5x6.0x4.9	SMTEE 4.4M 4.80x3.65x3.55 SMTEE 4.6M 5.20x7.20x3.00 SMTEE 5.0M 8.38x8.00x5.50 SMTEE 8.3M 11.0x13.0x7.80
Feature	SMTDRRI127PA 10uH~330uH 10.5A~1.9A (parallel) 40uH~1320uH 5.4A~0.9A (series)	0778W 1.0~15uH 16.5~5.1A	5025SM 100~1200Ω 6.5~2.0A 5045SM 190~1500Ω 5.0~1.0A	2012 67Ω~360Ω 400mA~300mA 3216 90Ω~2200Ω 400mA~200mA 3225 300Ω~5000Ω 300mA~70mA 4532 300Ω~2000Ω 360mA~200mA 3922PM 11uH~4700uH 700mA~200mA	4.4M 1T:20T~150T 4.6M 1T:20T~150T 5.0M 1T:20T~125T 8.3M 1T:20T~200T
Temp	-40 ~125°C		-40 ~125°C		-40 ~125°C

Customized products

RM 	SMTEFD 	SMTEP 	SMTEPC 	SMTER
WPT 	WPT 	WPT-Qi2.0 	PFCH 	UPI-4T
SMTEI 	FC- ROUND WIRE 	FC- FLAT WIRE 	SMTFC 	SMTLFD
LFT&LFTBV 	LFTBH 	LFTB 	SMTTC843 	SMTLF
PQ35-Transformer 	UU35-PFC 	UU35-Three phase PFC 	PQ50- Transformer 	EER40- Transformer

Automotive Inductor applications



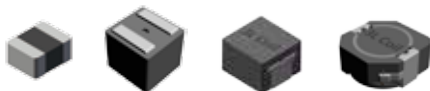
CAR AUDIO



BMS



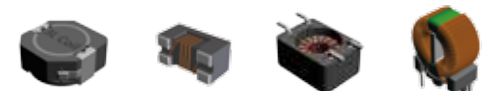
ADAS



USB CHARGER



CAN BUS



LED/HID



WIPERS



OTHER POWER LINES



WIRELESS CHARGING



OBC



3L Electronic Corporation

Taiwan Sales Offices:

3L Electronic Corp. (Taiwan H.Q.)

✉ : 3F, No. 192, Sec. 2, Zhongxing Rd. Xindian Dist., New Taipei City 231037 Taiwan

Domestic (Taipei)

☎ : +886 (2) 86659999 EXT:888 | 📞 : +886 (2) 86659900 | E-mail: joker@3lcoil.com | Area Manager: Mr. Vincent Wu

Overseas

☎ : +886 (2) 86659999 EXT:231 | 📞 : +886 (2) 86659347 | E-mail: fiona@3lcoil.com | Area Manager: Ms. Fiona Chen

PS: Please contact with Fiona Chen for any concern/ RFQ from overseas.

China Sales Offices:

Zhong Shan Sanle Electronic Ltd.

✉ : Six Industrial Area, Nanlang Zhen, Zhong Shan City, Guangdong Prov., China. P.C. : 528451

☎ : +86 (760) 86628100 | 📞 : +86 (760) 86628111 | E-mail: lily@3lcoil.com | Area Manager: Ms. Lily Chen

3L Electronic Ltd. (Suzhou Branch)

✉ : 215000, Room 2213-2214, Building 8, Shishan Street Life Plaza, Suzhou, Jiangsu Province

☎ : +86 (512) 68271292 | E-mail: byronlee@3lcoil.com | Area Manager: Mr. Byron Lee

Zhong Shan Sanle Electronic Ltd. (Shenzhen Branch)

✉ : #2 Difeng Road, #6 Industrial Zone, Nanlang Town, Zhongshan City, Guangdong Prov. China

☎ : +86 13560691096 | E-mail: zhangjun@3lcoil.com | Area Manager: Mr. Kevin Zhang

3L Electronic (Wuhan) Co., Ltd.

✉ : Room 1508, Building 1(Central living area of Wangjiawan), No.697, Hanyang road, Hanyang District, Wuhan Province

☎ : +86 (188) 02590808 | E-mail: wuxiaohui@3lcoil.com | Area Manager: Mr. Kevin Wu

3L Electronic(Dongguan) Co., Ltd.

✉ : No. 201-03 R&D Buliding 1 Lihezijing High Teck Park Qinghudong Road No.55 QingXi Town Dongguan City, Guangdong Prov., China. P.C. : 523660

☎ : +86 (769) 86816785 | 📞 : +86 (769) 86816786 | E-mail: xianhe@3lcoil.com | Area Manager: Mr. Steven