

PAD LAYOUT

SIZE CODE	A	B	C	D	E	F	G
ATDL-0402	4.0±0.3	2.2±0.3	4.5±0.3	1.5(typ)	4.5	2.1	0.8

UNIT : mm

								TITLE POWER INDUCTOR	
								DWG. NO. ATDL-0402	
	RELEASE	06/06/2024	SHIRLEY	BETTY	BETTY	UNITS: M/M		SAFETY	
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 06/06/24		P/N:	
REVISIONS						06/06/24		DRAW Shirley	
								SHEET 1 of 1	

MODEL CODE	Inductance (μ H)	DC Resistance ($m\Omega$) max	SRF (MHz) min	Isat (A) max	IDC (A) max
ATDL-0402-1R0	1.0	40	75	3.85	3.2
ATDL-0402-1R2	1.2	45	65	3.9	3.2
ATDL-0402-1R5	1.5	50	60	3.3	3.1
ATDL-0402-1R8	1.8	55	50	3.2	2.9
ATDL-0402-2R2	2.2	65	45	3.0	2.7
ATDL-0402-2R7	2.7	70	40	2.9	2.6
ATDL-0402-3R3	3.3	80	35	2.6	2.4
ATDL-0402-3R9	3.9	110	35	2.3	2.0
ATDL-0402-4R7	4.7	120	30	2.05	1.9
ATDL-0402-5R6	5.6	130	30	1.95	1.8
ATDL-0402-6R8	6.8	150	25	1.9	1.7
ATDL-0402-8R2	8.2	170	25	1.7	1.6
ATDL-0402-100	10	220	15	1.55	1.50
ATDL-0402-120	12	250	15	1.4	1.3
ATDL-0402-150	15	280	15	1.3	1.3
ATDL-0402-180	18	320	13	1.2	1.2
ATDL-0402-220	22	350	13	1.1	1.1
ATDL-0402-270	27	450	10	1.0	1.0
ATDL-0402-330	33	550	10	0.94	0.95
ATDL-0402-390	39	600	10	0.87	0.88
ATDL-0402-470	47	800	7	0.8	0.85
ATDL-0402-560	56	1000	7	0.7	0.7
ATDL-0402-680	68	1100	7	0.62	0.64
ATDL-0402-820	82	1700	7	0.55	0.54
ATDL-0402-101	100	2000	5	0.53	0.49
ATDL-0402-121	120	220	5	0.47	0.48
ATDL-0402-151	150	2700	5	0.42	0.43
ATDL-0402-181	180	3300	2.5	0.38	0.39
ATDL-0402-221	220	3700	2.5	0.35	0.37
ATDL-0402-271	270	5500	2.5	0.31	0.34
ATDL-0402-331	330	6000	2.5	0.29	0.3
ATDL-0402-391	390	8500	1	0.25	0.25

ATDL-0402-471	470	9500	1	0.23	0.24
ATDL-0402-561	560	10500	1	0.22	0.23
ATDL-0402-681	680	15000	1	0.19	0.18
ATDL-0402-821	820	17500	1	0.18	0.17
ATDL-0402-102	1000	20000	1	0.16	0.15



TAPE & REEL : 2000PCS/REEL

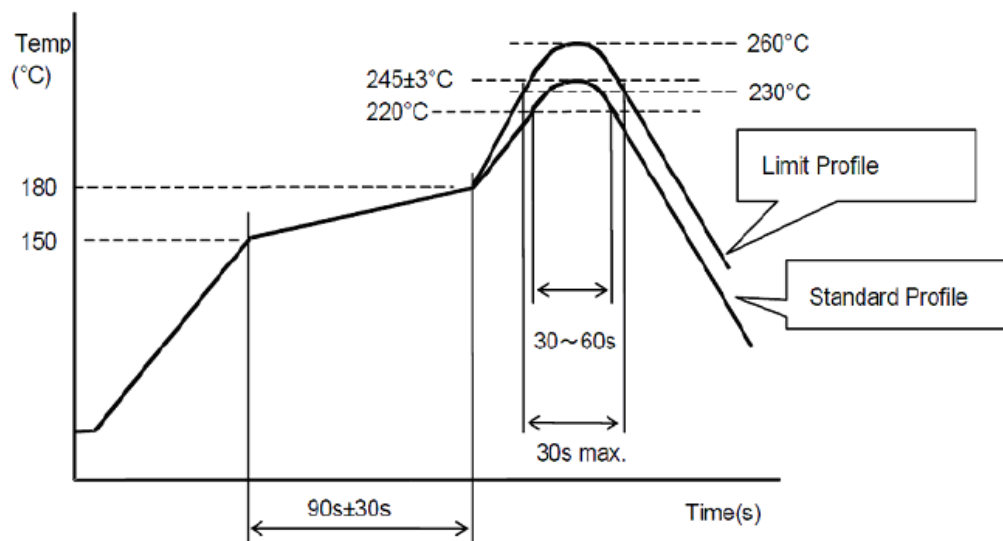
INSIDE BOX : 5 REELS
10000PCS/5REELS
BOXES : 長340, 寬94, 高343mm

*10 REELS
2 INSIDE BOXES

- (1)數量 QUANTITY : 20,000PCS / CARTON
(2)一捲 REEL, BOXES 盒子 : 2000 PCS *5REEL (INNER*2 BOXES)
(3)長.寬.高.尺寸 DIMENSIONS OF CARTON (mm) : 376(L)*374(W)*198(H)
(4)重量WEIGHT : NW : 6.5(Kg)
GW : 7.0(Kg)

								TITLE PACKING	
								DWG. NO. ATDL-0402	
A	RELEASE	06/07/2024	SHIRLEY	BETTY	BETTY	UNITS: M/M		SAFETY	
NO:	DESCRIPTION	BY	BY	CHK	APPD	DATE 06/07/2024		P/N:	
REVISIONS								DRAW Shirley	

Recommended Reflow Soldering Profile :



	Standard Profile	Limit Profile
Pre-heating	150~180°C , 90s±30s	
Heating	above 220°C, 30s~60s	above 240°C, 30s max.
Peak temperature	245±3°C	260°C, 10s
Cycle of reflow	2 times	2 times

3-1 Flux, Solder

- Use rosin-based flux
- Don't use high acidic flux with halide content exceeding 0.2 %(wt.%) (chlorine conversion value).
- Use lead-free solder, use Sn-0.3%Ag-0.5%Cu solder
- Standard thickness of solder paste: 0.12~0.15mm

3-2 Reworking with soldering iron The following conditions must be strictly followed when using a soldering iron.

Pre – heating	150°C, 1 minute
Tip temperature	350°C max.
Soldering iron output	30w max.
End of soldering iron	φ 3mm max.
Soldering time	3 seconds max.

Note :

- This product is designed for solder mounting devices. Please consult us in advance for applying other mounting method such as conductive adhesive.
- Do not directly touch the products with the tip of the soldering iron in order to prevent the crack on the products due to the thermal shock.
- Insufficient pre-heating may cause cracks on the ferrite, resulting in the deterioration of product quality.