

PAD LAYOUT

SIZE CODE	A	B	C	D	E	F	G
ATDL-0504	5.2±0.3	4.5±0.3	5.8±0.3	2.0(typ)	5.5	2.25	1.5

UNIT : mm

								TITLE POWER INDUCTOR	
								DWG. NO. ATDL-0504	
RELEASE		06/06/2024	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 of 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	DRAW Shirley	
REVISIONS						06/06/24			

MODEL CODE	Inductance (μ H)	DC Resistance ($m\Omega$) max	SRF (MHz) min	Isat (A) max	IDC (A) max
ATDL-0504-1R0	1.0	18	90	6.6	4.2
ATDL-0504-1R2	1.2	20	60	6.3	4.2
ATDL-0504-1R5	1.5	21	60	5.7	4.2
ATDL-0504-1R8	1.8	23	40	5.6	4.1
ATDL-0504-2R2	2.2	28	35	6.6	4.0
ATDL-0504-2R7	2.7	30	30	4.7	3.8
ATDL-0504-3R3	3.3	34	30	4.0	3.5
ATDL-0504-3R9	3.9	36	25	3.9	3.5
ATDL-0504-4R7	4.7	37	25	3.7	3.4
ATDL-0504-5R6	5.6	53	25	3.2	2.8
ATDL-0504-6R8	6.8	60	15	2.85	2.4
ATDL-0504-8R2	8.2	70	15	3.7	2.3
ATDL-0504-100	10	90	13	2.2	2.2
ATDL-0504-120	12	100	10	2.15	2.1
ATDL-0504-150	15	102	10	2.0	2.0
ATDL-0504-180	18	130	10	1.7	1.8
ATDL-0504-220	22	155	10	1.5	1.7
ATDL-0504-270	27	190	7	1.5	1.6
ATDL-0504-330	33	200	7	1.4	1.6
ATDL-0504-390	39	250	7	1.4	1.4
ATDL-0504-470	47	320	7	1.2	1.2
ATDL-0504-560	56	370	5	1.05	1.1
ATDL-0504-680	68	420	5	0.9	1.1
ATDL-0504-820	82	470	5	0.85	1.0
ATDL-0504-101	100	650	2.5	0.75	0.85
ATDL-0504-121	120	700	2.5	0.65	0.75
ATDL-0504-151	150	800	2.5	0.55	0.7
ATDL-0504-181	180	1000	2.5	0.53	0.65
ATDL-0504-221	220	1200	1	0.45	0.6



TAPE & REEL : 1500PCS/REEL

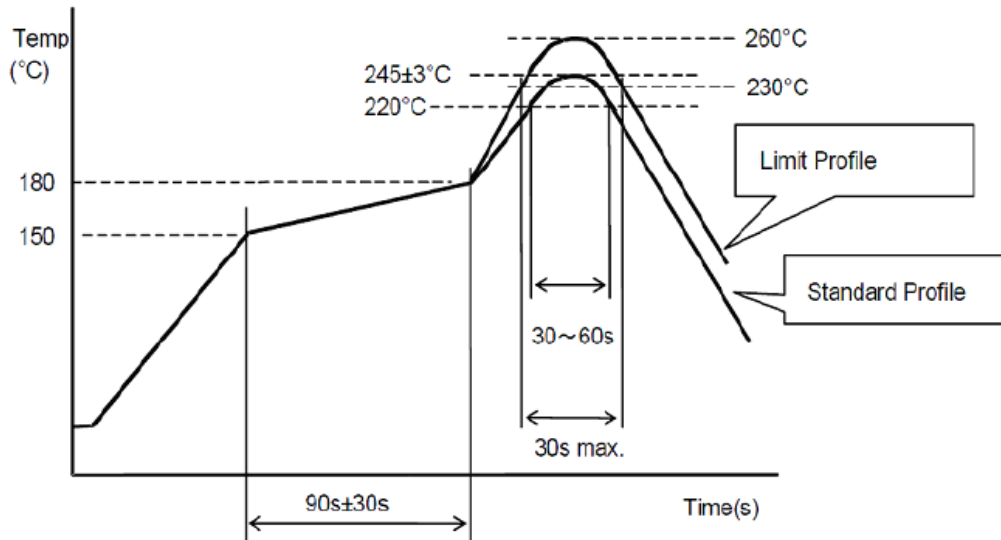
INSIDE BOX : 5 REELS
7500PCS/5REELS
BOXES : **長340, 寬94, 高343mm**

*10 REELS
2 INSIDE BOXES

- (1) **數量** QUANTITY : 15,000PCS / CARTON
- (2) **一捲** REEL, **BOXES 盒子** : 1500 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 : 10.5(Kg)
GW : 11.0(Kg)

								TITLE	
								PACKING	
								DWG. NO.	
								ATDL-0504	
A	RELEASE	06/07/2024	SHIRLEY	BETTY	BETTY	UNITS:	SAFETY		SHEET 1 of 1
NO:	DESCRIPTION	BY	BY	CHK	APPD	M/M			
REVISIONS						DATE	P/N:		DRAW
						06/07/2024			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	

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.