

PAD LAYOUT

SIZE CODE	A	B	C	D	E	F	G
ATDL-0302	3.0±0.3	2.3(max.)	3.5±0.3	1.2(typ)	3.5	1.6	0.8

UNIT : mm

								TITLE POWER INDUCTOR	
								DWG. NO. ATDL-0302	
	RELEASE	06/06/2024	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 OF 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 06/06/24	P/N:		DRAW Shirley
REVISIONS									

MODEL CODE	Inductance (μ H)	DC Resistance ($m\Omega$) max	SRF (MHz) min	Isat (A) max	IDC (A) max
ATDL-0302-1R0	1.0	40	85	2.9	2.5
ATDL-0302-1R2	1.2	45	80	2.9	2.3
ATDL-0302-1R5	1.5	50	75	2.4	2.1
ATDL-0302-1R8	1.8	60	60	2.2	2.0
ATDL-0302-2R2	2.2	70	55	1.1	1.9
ATDL-0302-2R7	2.7	95	40	1.9	1.8
ATDL-0302-3R3	3.3	110	40	1.9	1.8
ATDL-0302-3R9	3.9	120	40	1.7	1.6
ATDL-0302-4R7	4.7	125	35	1.6	1.55
ATDL-0302-5R6	5.6	140	30	1.4	1.5
ATDL-0302-6R8	6.8	160	25	1.35	1.5
ATDL-0302-8R2	8.2	230	25	1.1	1.2
ATDL-0302-100	10	300	20	1.1	1.15
ATDL-0302-120	12	320	20	0.93	1.0
ATDL-0302-150	15	400	15	0.85	0.9
ATDL-0302-180	18	470	15	0.84	0.8
ATDL-0302-220	22	630	15	0.71	0.67
ATDL-0302-270	27	720	10	0.66	0.66
ATDL-0302-330	33	880	10	0.6	0.65
ATDL-0302-390	39	950	7	0.55	0.6
ATDL-0302-470	47	1150	7	0.51	0.55
ATDL-0302-560	56	1400	7	0.47	0.5
ATDL-0302-680	68	1700	7	0.42	0.48
ATDL-0302-820	82	2100	7	0.38	0.39
ATDL-0302-101	100	2400	7	0.36	0.37
ATDL-0302-121	120	3400	5	0.33	0.32
ATDL-0302-151	150	3800	2.5	0.29	0.27
ATDL-0302-181	180	4500	2.5	0.28	0.26
ATDL-0302-221	220	5000	2.5	0.25	0.23
ATDL-0302-271	270	8000	2.5	0.23	0.22
ATDL-0302-331	330	9000	2.5	0.19	0.21
ATDL-0302-391	390	10000	1	0.18	0.18



TAPE & REEL : 2000PCS/REEL

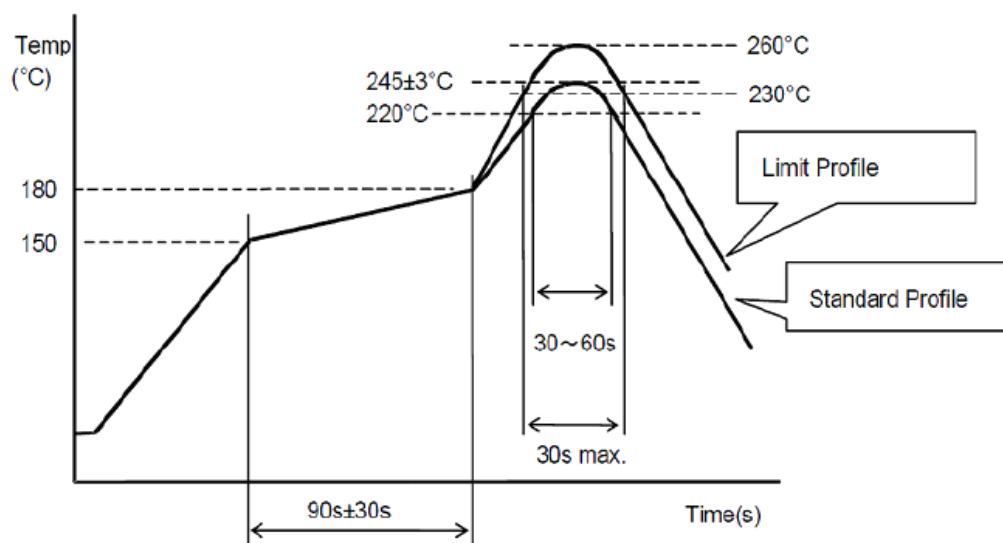
INSIDE BOX : 5 REELS
10000PCS/5REELS
BOXES : 長340, 寬94, 高343mm

*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 : 5.5(Kg)
GW : 6.5(Kg)

						AOEM.		TITLE	PACKING
								DWG. NO.	ATDL-0302
A	RELEASE	06/07/2024	SHIRLEY	BETTY	BETTY	UNITS:	M/M	SAFETY	SHEET 1 of 1
NO:	DESCRIPTION	BY	BY	CHK	APPD	DATE	06/07/2024	P/N:	DRAW
REVISIONS									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.