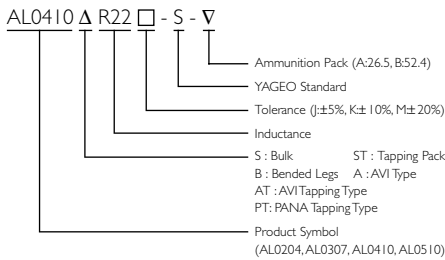


CHOKER COILS AL TYPE

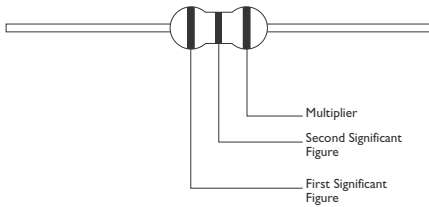
AL TYPE Series



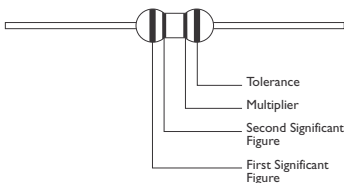
PRODUCT IDENTIFICATION



COLOR CODE AL0204 SERIES



COLOR CODE AL0307/AL0410/ AL0510 SERIES



FEATURES

- Design to be Compact, Small and Light-Weight
- Wide Range of Inductance
- Contribute to be High Q and Self-Resonant Frequencies
- Tapping type that is convenient for automatic insertion.
- Coating Epoxy Resin That Ensure The Humidity Resistance to be Long Life

APPLICATIONS

For VCRs, Color TVs, CRTs, Stereo Car Radios and Radio Transceivers, Telephone Answering, Disk Drivers, Personal Computers and Industrial Electronics Products, etc.

TEST INSTRUMENTS

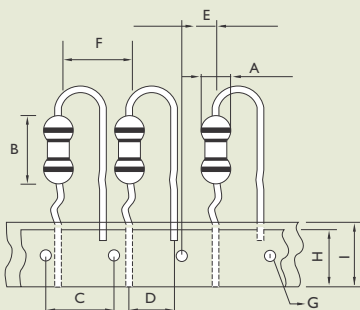
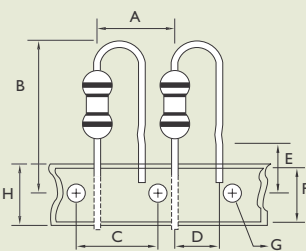
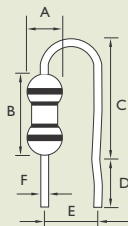
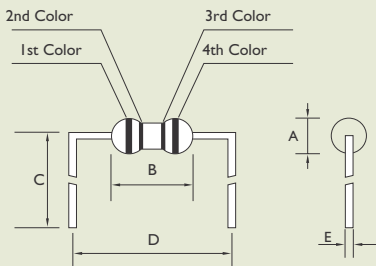
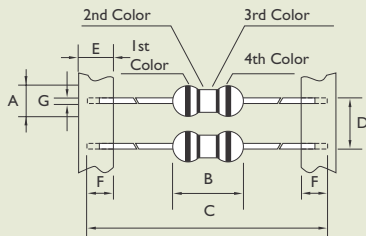
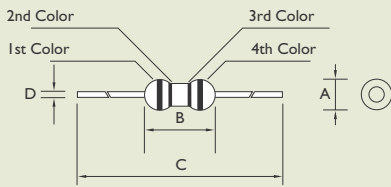
- LQ : HP 4285 + HP 42851A
- SRF : HP 4287A
- RDC : CHEN HWA502BC
- IDC : CHEN HWA CHI061+301A

THE NOMINAL INDUCTANCE IS MARKED BY A COLOR CODE AS LISTED IN TABLE BELOW

COLOR	NOMINAL INDUCTANCE (μH)			TOLERANCE
	FIRST FIGURE	SECOND FIGURE	MAGNIFICATION	
Black	0		1	±20%
Brown	1		10	-
Red	2		100	-
Orange	3		1000	-
Yellow	4		-	-
Green	5		-	-
Blue	6		-	-
Purple	7		-	-
Gray	8		-	-
White	9		-	-
Gold	-		0.1	±5%
Silver	-		0.01	±10%



Dimensions : mm



	AL0204 S	AL0307 S	AL0410 S	AL0510 S
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	62±3	62±3	62±3	62±3
D	0.5ø	0.5ø	0.65ø	0.65ø

	AL0204 ST	AL0307 ST	AL0410 ST	AL0510ST
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	52.4±1.5	52.4±1.5	52.4±1.5	52.4±1.5
D	5±0.5	5±0.5	5±0.5	5±0.5
E	6±1	6±1	6±1	6±1
F	3.2 ⁰	3.2 ⁰	3.2 ⁰	3.2 ⁰
G	0.5ø	0.5ø	0.65ø	0.65ø

	AL0204 B	AL0307 B	AL0410 B	AL0510 B
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	6±1	6±1	6±1	6±1
D	10±1	10±1	12.5±1	12.5±1
E	0.5ø	0.5ø	0.65ø	0.65ø

	AL0204 A	AL0307 A	AL0410 A	AL0510 A
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	14 ⁺⁰	14 ⁺⁰	14 ⁺⁰	14 ⁺⁰
D	6±1	6±1	6±1	6±1
E	5±1.5	5±1.5	5±1.5	5±1.5
F	0.5ø	0.5ø	0.65ø	0.65ø

	AL0204 AT	AL0307 AT	AL0410 AT	AL0510 AT
A	12.7±1	12.7±1	12.7±1	12.7±1
B	32 ⁺⁰	32 ⁺⁰	32 ⁺⁰	32 ⁺⁰
C	12.7±0.3	12.7±0.3	12.7±0.3	12.7±0.3
D	5 ^{+0.8}	5 ^{+0.8}	5 ^{+0.8}	5 ^{+0.8}
E	16±1	16±1	16±1	16±1
F	12.5 ⁰	12.5 ⁰	12.5 ⁰	12.5 ⁰
G	4±0.3	4±0.3	4±0.3	4±0.3
H	17.5~19	17.5~19	17.5~19	17.5~19

	AL0204 PT	AL0307 PT	AL0410 PT	AL0510 PT
A	2.3 ⁺⁰	3 ⁺⁰	4 ⁺⁰	4.5 ⁺⁰
B	4 ⁺⁰	7 ⁺⁰	10.5 ⁺⁰	10.5 ⁺⁰
C	12.7±0.3	12.7±0.3	12.7±0.3	12.7±0.3
D	5 ^{+0.8} _{-0.2}	5 ^{+0.8} _{-0.2}	5 ^{+0.8} _{-0.2}	5 ^{+0.8} _{-0.2}
E	5.85±1.0	5.85±1.0	5.85±1.0	5.85±1.0
F	12.7±1.0	12.7±1.0	12.7±1.0	12.7±1.0
G	4±0.3	4±0.3	4±0.3	4±0.3
H	13 ⁰	13 ⁰	13 ⁰	13 ⁰
I	16±1	16±1	16±1	16±1



ELECTRICAL PARAMETERS AL0204 SERIES

ITEM	INDUCTANCE L (μH)	TEST FREQ. (MHz)	STANDARD SPEC.			
			Q Min.	S.R.F. Min. (MHz)	D.C. RESISTANCE Max. (Ω)	IDC (mA)
AL0204 Δ R22 □ -S-▽	0.22	25.2	35	150	0.40	400
AL0204 Δ R27 □ -S-▽	0.27	25.2	35	150	0.43	380
AL0204 Δ R33 □ -S-▽	0.33	25.2	35	150	0.48	370
AL0204 Δ R39 □ -S-▽	0.39	25.2	35	150	0.51	350
AL0204 Δ R47 □ -S-▽	0.47	25.2	35	150	0.56	330
AL0204 Δ R56 □ -S-▽	0.56	25.2	35	150	0.61	320
AL0204 Δ R68 □ -S-▽	0.68	25.2	35	150	0.67	310
AL0204 Δ R82 □ -S-▽	0.82	25.2	35	150	0.74	290
AL0204 Δ 1R0 □ -S-▽	1.00	25.2	35	120	0.80	270
AL0204 Δ 1R2 □ -S-▽	1.20	7.96	40	110	0.90	260
AL0204 Δ 1R5 □ -S-▽	1.50	7.96	40	80	1.0	250
AL0204 Δ 1R8 □ -S-▽	1.80	7.96	40	60	1.1	240
AL0204 Δ 2R2 □ -S-▽	2.20	7.96	40	45	1.2	230
AL0204 Δ 2R7 □ -S-▽	2.70	7.96	40	40	1.3	220
AL0204 Δ 3R3 □ -S-▽	3.30	7.96	40	38	1.4	210
AL0204 Δ 3R9 □ -S-▽	3.90	7.96	40	35	1.6	200
AL0204 Δ 4R7 □ -S-▽	4.70	7.96	40	32	1.7	190
AL0204 Δ 5R6 □ -S-▽	5.60	7.96	40	30	1.9	180
AL0204 Δ 6R8 □ -S-▽	6.80	7.96	40	28	2.0	175
AL0204 Δ 8R2 □ -S-▽	8.20	7.96	40	26	2.2	165
AL0204 Δ 100 □ -S-▽	10	7.96	40	24	2.5	160
AL0204 Δ 120 □ -S-▽	12	2.52	40	22	2.5	150
AL0204 Δ 150 □ -S-▽	15	2.52	40	20	2.8	145
AL0204 Δ 180 □ -S-▽	18	2.52	40	18	3.1	140
AL0204 Δ 220 □ -S-▽	22	2.52	40	17	3.4	130
AL0204 Δ 270 □ -S-▽	27	2.52	40	16	4.3	80
AL0204 Δ 330 □ -S-▽	33	2.52	40	14	4.7	76
AL0204 Δ 390 □ -S-▽	39	2.52	40	13	5.2	74
AL0204 Δ 470 □ -S-▽	47	2.52	40	12	5.8	70
AL0204 Δ 560 □ -S-▽	56	2.52	40	11	6.4	68
AL0204 Δ 680 □ -S-▽	68	2.52	40	10	7.2	64
AL0204 Δ 820 □ -S-▽	82	2.52	40	9.5	11	46
AL0204 Δ 101 □ -S-▽	100	0.796	40	9.0	12	44
AL0204 Δ 121 □ -S-▽	120	0.796	40	8.0	13	42
AL0204 Δ 151 □ -S-▽	150	0.796	40	6.0	16	39
AL0204 Δ 181 □ -S-▽	180	0.796	40	5.5	18	37
AL0204 Δ 221 □ -S-▽	220	0.796	40	5.0	20	35

Δ : S : Bulk ST : Tapping Pack B : Bended Legs A : AVI Type AT : AVI Tapping Type PT : PANA Tapping Type

□ : Tolerance (J : ±5% K : ±10% M : ±20%)

▽ : Ammunition Pack (A : 26.5 B : 52.4)



ELECTRICAL PARAMETERS AL0307 SERIES

ITEM	INDUCTANCE L (μH)	TEST FREQ. (MHz)	STANDARD SPEC.			
			Q Min.	S.R.F. Min. (MHz)	D.C. RESISTANCE Max. (Ω)	IDC (mA)
AL0307 Δ R22 □ -S-▽	0.22	25.2	45	150	0.20	400
AL0307 Δ R27 □ -S-▽	0.27	25.2	45	150	0.22	380
AL0307 Δ R33 □ -S-▽	0.33	25.2	45	150	0.24	370
AL0307 Δ R39 □ -S-▽	0.39	25.2	50	150	0.26	350
AL0307 Δ R47 □ -S-▽	0.47	25.2	45	150	0.28	330
AL0307 Δ R56 □ -S-▽	0.56	25.2	50	150	0.31	320
AL0307 Δ R68 □ -S-▽	0.68	25.2	50	150	0.34	310
AL0307 Δ R82 □ -S-▽	0.82	25.2	55	150	0.37	290
AL0307 Δ 1R0 □ -S-▽	1.00	25.2	60	150	0.40	270
AL0307 Δ 1R2 □ -S-▽	1.20	7.96	40	165	0.18	740
AL0307 Δ 1R5 □ -S-▽	1.50	7.96	45	150	0.20	700
AL0307 Δ 1R8 □ -S-▽	1.80	7.96	50	125	0.23	655
AL0307 Δ 2R2 □ -S-▽	2.20	7.96	50	110	0.25	630
AL0307 Δ 2R7 □ -S-▽	2.70	7.96	50	95	0.28	595
AL0307 Δ 3R3 □ -S-▽	3.30	7.96	50	70	0.30	575
AL0307 Δ 3R9 □ -S-▽	3.90	7.96	45	65	0.32	555
AL0307 Δ 4R7 □ -S-▽	4.70	7.96	45	50	0.35	530
AL0307 Δ 5R6 □ -S-▽	5.60	7.96	45	40	0.40	500
AL0307 Δ 6R8 □ -S-▽	6.80	7.96	40	30	0.45	470
AL0307 Δ 8R2 □ -S-▽	8.20	7.96	40	28	0.55	425
AL0307 Δ 100 □ -S-▽	10	7.96	40	22	0.72	370
AL0307 Δ 120 □ -S-▽	12	2.52	45	20	0.80	350
AL0307 Δ 150 □ -S-▽	15	2.52	50	16	0.88	335
AL0307 Δ 180 □ -S-▽	18	2.52	50	15	1.00	315
AL0307 Δ 220 □ -S-▽	22	2.52	50	13	1.20	285
AL0307 Δ 270 □ -S-▽	27	2.52	50	11	1.35	270
AL0307 Δ 330 □ -S-▽	33	2.52	50	10	1.50	255
AL0307 Δ 390 □ -S-▽	39	2.52	50	9.5	1.70	240
AL0307 Δ 470 □ -S-▽	47	2.52	60	8.5	2.30	205
AL0307 Δ 560 □ -S-▽	56	2.52	60	7.5	2.60	195
AL0307 Δ 680 □ -S-▽	68	2.52	60	6.5	2.90	185
AL0307 Δ 820 □ -S-▽	82	2.52	60	6.0	3.20	175
AL0307 Δ 101 □ -S-▽	100	0.796	60	5.5	3.50	165
AL0307 Δ 121 □ -S-▽	120	0.796	60	5.4	3.80	160
AL0307 Δ 151 □ -S-▽	150	0.796	60	4.75	4.40	150
AL0307 Δ 181 □ -S-▽	180	0.796	60	4.35	5.00	140
AL0307 Δ 221 □ -S-▽	220	0.796	60	4.00	5.70	130
AL0307 Δ 271 □ -S-▽	270	0.796	60	3.70	6.50	120
AL0307 Δ 331 □ -S-▽	330	0.796	60	3.40	9.50	100
AL0307 Δ 391 □ -S-▽	390	0.796	60	2.80	10.50	95
AL0307 Δ 471 □ -S-▽	470	0.796	60	2.55	11.60	90
AL0307 Δ 561 □ -S-▽	560	0.796	60	2.35	13.00	85
AL0307 Δ 681 □ -S-▽	680	0.796	60	2.00	18.00	75
AL0307 Δ 821 □ -S-▽	820	0.796	60	1.50	23.00	65
AL0307 Δ 102 □ -S-▽	1000	0.796	60	1.20	26.00	60

Δ : S : Bulk ST : Tapping Pack B : Bended Legs A : AVI Type AT : AVI Tapping Type PT : PANA Tapping Type

□ : Tolerance (J : ±5% K : ±10% M : ±20%)

▽ : Ammunition Pack (A : 26.5 B : 52.4)



ELECTRICAL PARAMETERS AL0410 SERIES

ITEM	INDUCTANCE L (μH)	TEST FREQ. (MHz)	STANDARD SPEC.			
			Q Min.	S.R.F. Min. (MHz)	D.C. RESISTANCE Max. (Ω)	IDC (mA)
AL0410 Δ R22 □ -S-▽	0.22	25.2	50	300	0.12	1400
AL0410 Δ R27 □ -S-▽	0.27	25.2	50	260	0.13	1320
AL0410 Δ R33 □ -S-▽	0.33	25.2	55	250	0.14	1280
AL0410 Δ R39 □ -S-▽	0.39	25.2	55	230	0.15	1200
AL0410 Δ R47 □ -S-▽	0.47	25.2	50	220	0.17	1150
AL0410 Δ R56 □ -S-▽	0.56	25.2	50	200	0.18	1100
AL0410 Δ R68 □ -S-▽	0.68	25.2	55	190	0.20	1030
AL0410 Δ R82 □ -S-▽	0.82	25.2	55	172	0.21	980
AL0410 Δ 1R0 □ -S-▽	1.00	25.2	45	157	0.21	920
AL0410 Δ 1R2 □ -S-▽	1.20	7.96	50	144	0.22	880
AL0410 Δ 1R5 □ -S-▽	1.50	7.96	50	131	0.23	830
AL0410 Δ 1R8 □ -S-▽	1.80	7.96	55	121	0.28	790
AL0410 Δ 2R2 □ -S-▽	2.20	7.96	55	110	0.28	750
AL0410 Δ 2R7 □ -S-▽	2.70	7.96	60	100	0.30	720
AL0410 Δ 3R3 □ -S-▽	3.30	7.96	65	94	0.34	670
AL0410 Δ 3R9 □ -S-▽	3.90	7.96	65	65	0.37	640
AL0410 Δ 4R7 □ -S-▽	4.70	7.96	70	56	0.39	620
AL0410 Δ 5R6 □ -S-▽	5.60	7.96	70	50	0.43	590
AL0410 Δ 6R8 □ -S-▽	6.80	7.96	75	40	0.49	550
AL0410 Δ 8R2 □ -S-▽	8.20	7.96	80	35	0.55	530
AL0410 Δ 100 □ -S-▽	10	7.96	65	30	0.63	500
AL0410 Δ 120 □ -S-▽	12	2.52	55	25	0.65	480
AL0410 Δ 150 □ -S-▽	15	2.52	55	20	0.81	460
AL0410 Δ 180 □ -S-▽	18	2.52	50	14	0.82	430
AL0410 Δ 220 □ -S-▽	22	2.52	50	9	0.95	410
AL0410 Δ 270 □ -S-▽	27	2.52	45	7	1.05	390
AL0410 Δ 330 □ -S-▽	33	2.52	45	6	1.05	370
AL0410 Δ 390 □ -S-▽	39	2.52	45	6	1.10	350
AL0410 Δ 470 □ -S-▽	47	2.52	40	6	1.31	340
AL0410 Δ 560 □ -S-▽	56	2.52	40	5.5	1.38	320
AL0410 Δ 680 □ -S-▽	68	2.52	40	5.0	1.62	305
AL0410 Δ 820 □ -S-▽	82	2.52	35	5.0	1.71	290
AL0410 Δ 101 □ -S-▽	100	2.52	30	4.5	2.10	275
AL0410 Δ 121 □ -S-▽	120	0.796	55	3.5	3.10	185
AL0410 Δ 151 □ -S-▽	150	0.796	55	3.0	3.45	175
AL0410 Δ 181 □ -S-▽	180	0.796	55	2.8	4.10	165
AL0410 Δ 221 □ -S-▽	220	0.796	60	2.5	4.54	155
AL0410 Δ 271 □ -S-▽	270	0.796	65	2.3	5.15	145
AL0410 Δ 331 □ -S-▽	330	0.796	60	2.0	6.40	137
AL0410 Δ 391 □ -S-▽	390	0.796	65	2.0	7.15	133

Δ : S : Bulk ST : Tapping B : Bended Leads A : AVI Type AT : AVI Tapping Type PT : PANA Tapping Type

□ : Tolerance (K : ±10% M : 20%) ▽ : Ammunition Pack (A : 26.5 B : 52.0)



ELECTRICAL PARAMETERS AL0510 SERIES

ITEM	INDUCTANCE L (μ H)	TEST FREQ. (MHz)	STANDARD SPEC.			
			Q Min.	S.R.F. Min. (MHz)	D.C. RESISTANCE Max. (Ω)	IDC (mA)
AL0410 Δ 471 \square -S- ∇	470	0.796	60	2.25	7.70	126
AL0410 Δ 561 \square -S- ∇	560	0.796	60	2.10	8.50	120
AL0410 Δ 681 \square -S- ∇	680	0.796	55	1.95	9.40	113
AL0410 Δ 821 \square -S- ∇	820	0.796	55	1.85	10.5	100
AL0410 Δ 102 \square -S- ∇	1000	0.796	50	1.70	12.0	100

Δ : S : Bulk ST : Tapping Pack B : Bended Legs A : AVI Type AT : AVI Tapping Type PT : PANA Tapping Type

\square : Tolerance (K : $\pm 10\%$ M : $\pm 20\%$)

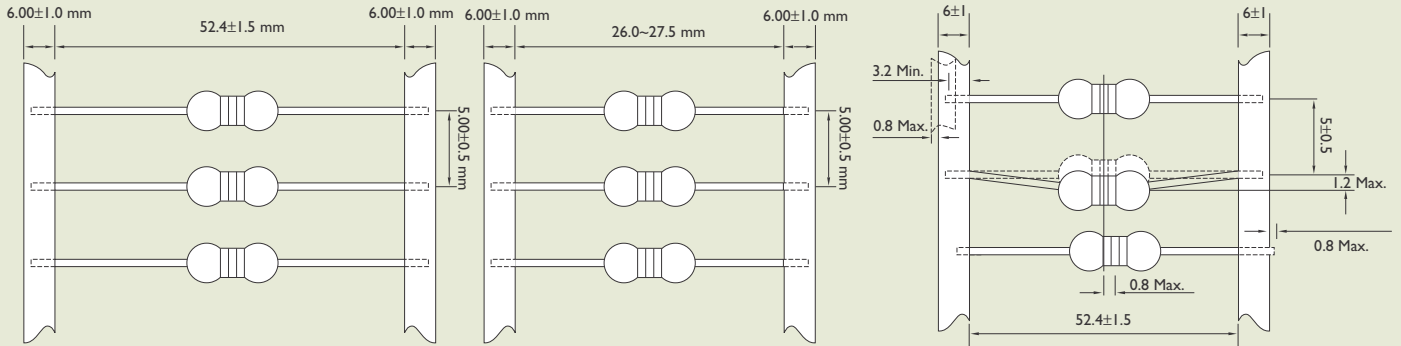
∇ : Ammunition Pack (A : 26.5 B : 52.4)



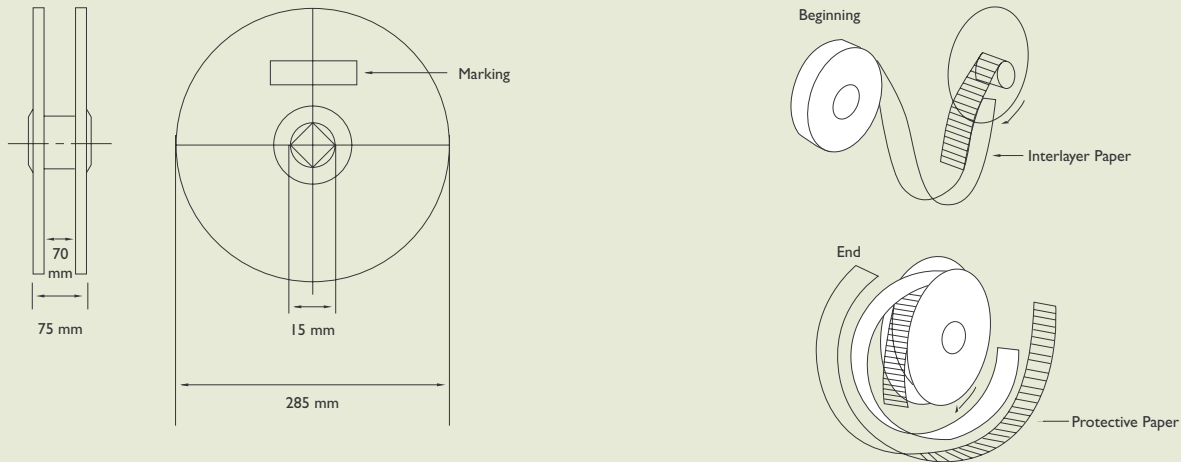
PACK

Dimensions : mm

DIMENSIONS OF TAPE



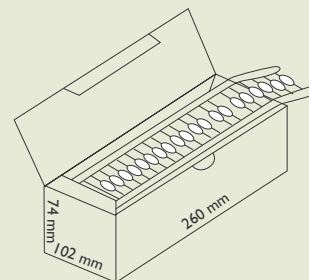
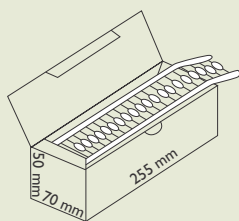
DIMENSIONS OF REEL



DIMENSIONS OF AMMUNITION PACK

-A (for inner tape : $26.5^{+1.0}_{-0.5}$ mm width)

-B (for inner tape : 52.4 ± 1.5 mm width)





REEL PACKING

PART NO.	QTY PER REEL	APPROX. GW/R & BOX	SIZE L x W x H (mm)	QTY CARTON	APPROX. NW	APPROX. GW
0204 SERIES	5000 PCS	0.8Kg	430 x 350 x 340	25000PCS	4.35Kg	5.35kg
0307 SERIES	5000PCS	1.6Kg	430 x 350 x 340	25000 PCS	8.35Kg	9.35Kg
0410 SERIES	2500 PCS	2.8Kg	360 x 310 x 600	20000 PCS	14.35 Kg	15.35Kg
0510 SERIES	2500 PCS	2.6Kg	360 x 310 x 600	20000 PCS	13.35Kg	14.35Kg

AMMUNITION PACKING

PART NO.	QTY PER REEL	APPROX. GW/R & BOX	SIZE L x W x H (mm)	QTY CARTON	APPROX. NW	APPROX. GW
0204 SERIES	5000 PCS	0.8Kg	430 x 350 x 340	25000 PCS	4.35Kg	5.35Kg
0307 SERIES	5000 PCS	1.6Kg	430 x 350 x 340	25000 PCS	8.35Kg	9.35Kg
0410 SERIES	2500 PCS	2.8Kg	360 x 310 x 600	20000 PCS	14.35Kg	15.35Kg
0510 SERIES	2500 PCS	2.6Kg	360 x 310 x 600	20000 PCS	13.35Kg	14.35Kg

IN BULKS

PART NO.	QTY PER BAG	APPROX. GW/BAG
0204 SERIES	500 PCS	0.05Kg
0307 SERIES	500 PCS	0.10Kg
0410 SERIES	500 PCS	0.20Kg
0510 SERIES	500 PCS	0.30Kg