

1. FEATURES:



- 1.1 RF Transformer For Wideband RF Applications, Wideband 0.003MHz to 300MHz
- 1.2 400 V interwinding isolation, 1/4 Watt RF input power;
- 1.3 250 mA max current rating.
- 1.4 Excellent Insertion Loss.
- 1.5 Peak reflow temperature rating 260°C .
- 1.6 Storage temperature Component: -40° C to +85° C.
- 1.7 Remark: Contact FENFA For Further Requirements.

2. ELECTRICAL SPECIFICATIONS @25°C

2.1 电感 OCL: @100KHz 1.0V

$$\text{PIN}(1-3) = 110\mu\text{H MIN} \quad \text{PIN}(6-4) = 160\mu\text{H MIN}$$

2.1 圈比: @10KHz 1.0V

$$\text{Pin}(1-3) : \text{Pin}(6-4) = 1 : 1.23 \pm 2\%$$

2.2 Isolation HI-POT: 400Vrms Min 3mA Max 6Second



2.3 DCR: PIN(1-3) = 240 mΩ MAX

$$\text{PIN}(6-4) = 300 \text{ m}\Omega \text{ MAX}$$

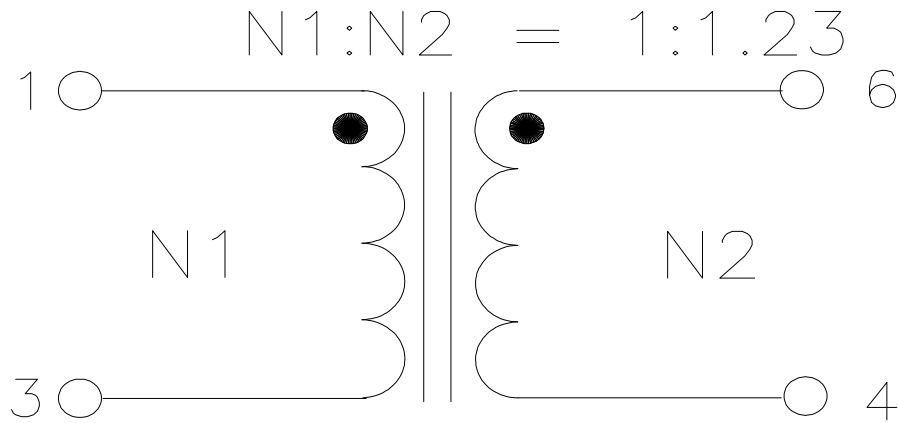
2.4 INSERTION LOSS

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS (-dB)		
		3dB MIN	2dB MIN	1dB MIN
		MHz	MHz	MHz
1.23	0.003~300	0.003~300	0.035~250	0.06~150

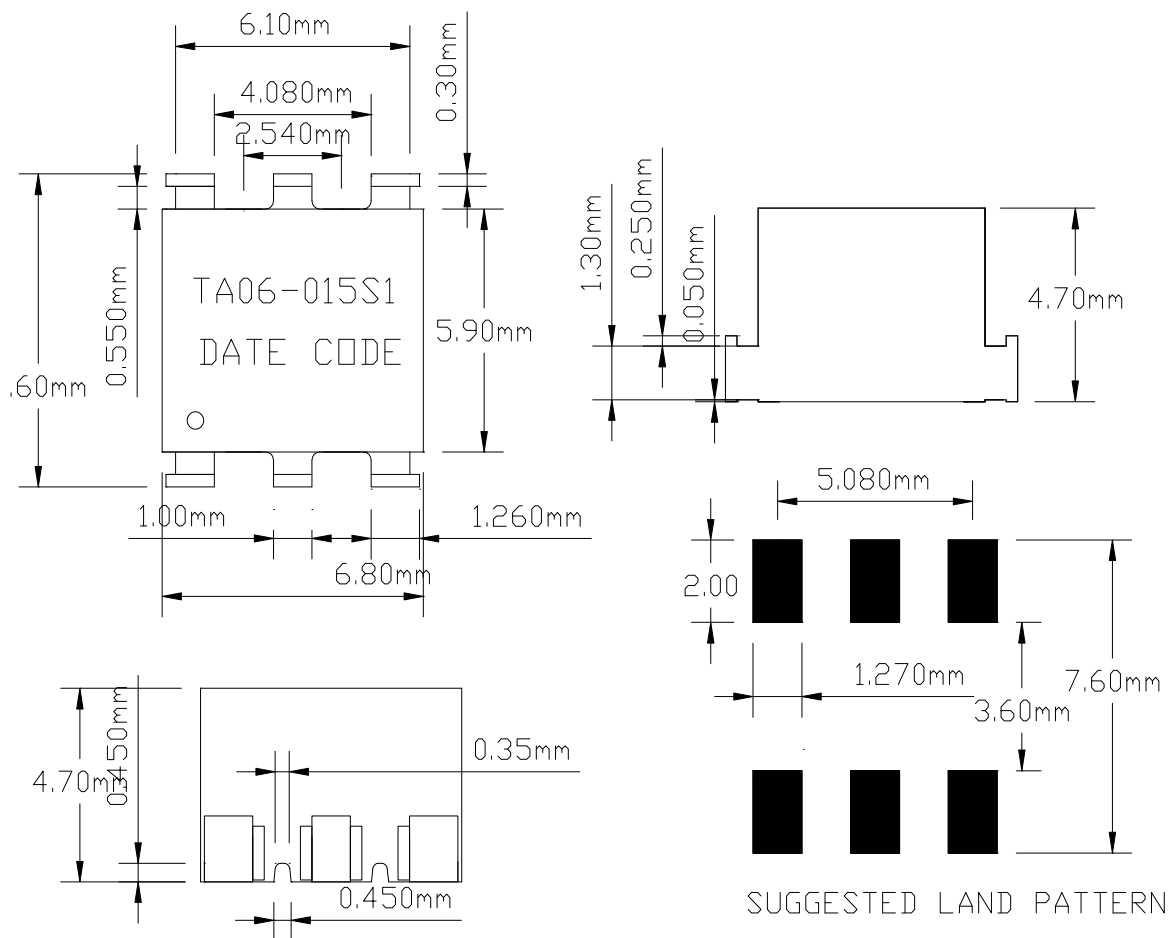
DRAWN BY:	CHECKED BY:	APPROVED BY:	PART NO. :
LI YU WEN	AN JIAN HONG	RAO JIN HUO	TA06-015S1
	FENFA ELECTRONICS (DONGGUAN) CO., LTD.		REV.: A
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Meas. Item	Electrical character										
	Ls(1-3)	Ls(6-4)	DCR(1-3)	DCR(6-4)	Turns ratio (Pin(1-3): Pin(6-4)= 1:1.23+/- 2%)	INSERTION LOSS					
Spec.	0.11 min	0.16 min	240 max	300 max							
Unit	mH	mH	mΩ	mΩ		(-dB)	(-dB)	(-dB)	(-dB)		
Test Condition	100KHz 1.0V	100KHz 1.0V	at 25°C	at 25°C	10KHz 1.0V	10KHz	80MHz	100MHz	125MHz		
1	0.978	1.450	185.9	232.9	OK	-0.96	-1.00	-1.21	-1.75		
2	1.034	1.545	198.3	237.6	OK	-0.97	-1.05	-1.2	-2.02		
3	1.057	1.574	189.6	244.3	OK	-0.86	-0.95	-1.18	-1.89		
4	0.999	1.491	198.2	247.1	OK	-0.86	-0.95	-1.23	-1.58		
5	1.017	1.512	189.4	238.2	OK	-0.84	-0.92	-1.2	-1.68		
6	0.996	1.483	190.2	235.6	OK	-0.96	-1.06	-1.21	-1.69		
7	0.996	1.479	191.3	236.5	OK	-0.87	-0.98	-1.25	-2.01		
8	0.992	1.474	191.2	235.6	OK	-0.85	-0.91	-1.24	-1.91		
9	1.089	1.617	196.4	247.9	OK	-0.95	-1.05	-1.18	-1.56		
10	0.980	1.455	194.7	233.1	OK	-0.85	-0.94	-1.16	-1.68		
- X	1.014	1.508	192.5	238.9							
max	1.089	1.617	198.3	247.9							
min	0.978	1.450	185.9	232.9							
R	0.111	0.167	12.4	15.0							
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3. SCHEMATICS:

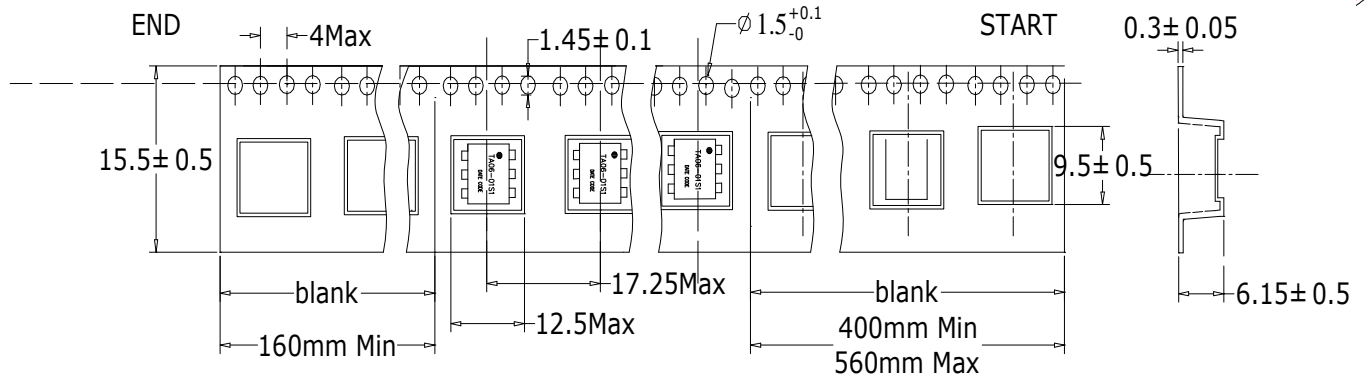
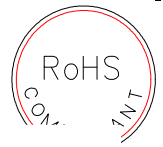


4. DIMENSIONS & MARKING:

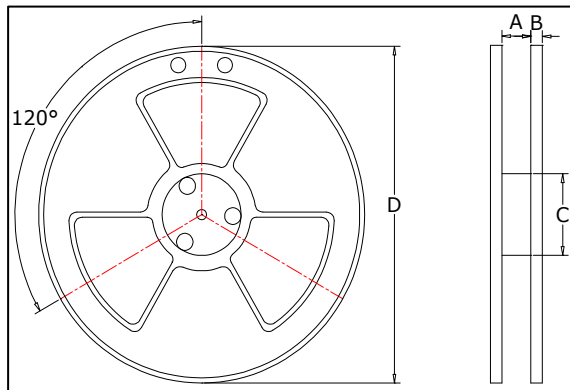


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1. DIMENSION FOR CARRIER TAPE & REEL ((单位 : mm))



Material: Black Anti-Static Polystyrene.

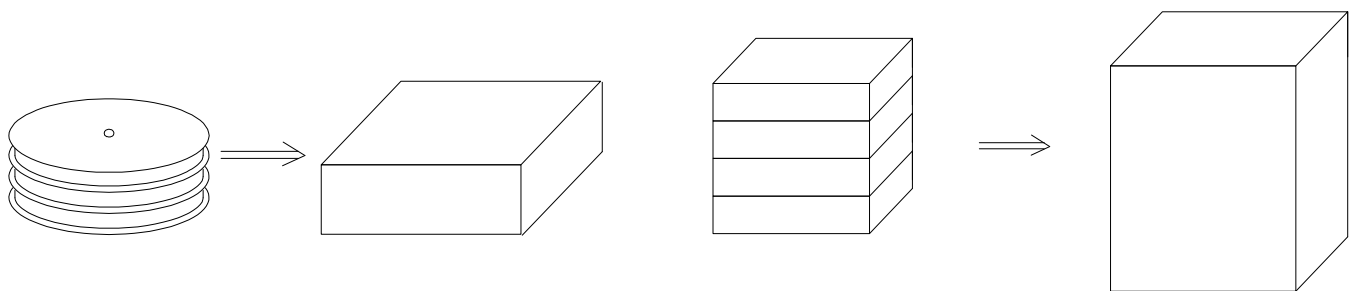


SPEC	8
2009-11-13	16
DIM A+/-0.1	2.3
DIM A+/-0.1	100
DIM A+/-0.1	

2. PACKING QUANTITY:

QUANTITY	P/N
500PCS/Reel	Carrier:
3Reels/Middle Carton	Middle Carton:
4 Middle Cartons/Big Carton	Big Carton:
6000PCS/ Big Carton	-----

3. DRAWING:



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