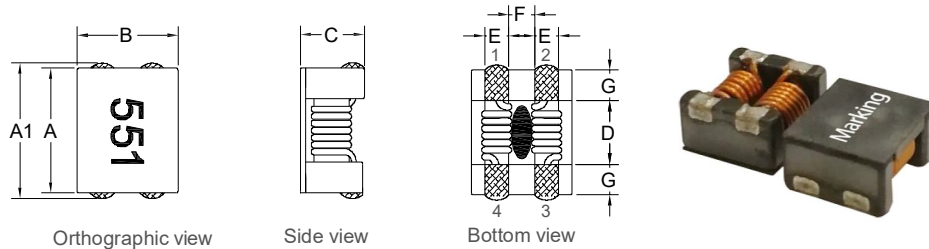
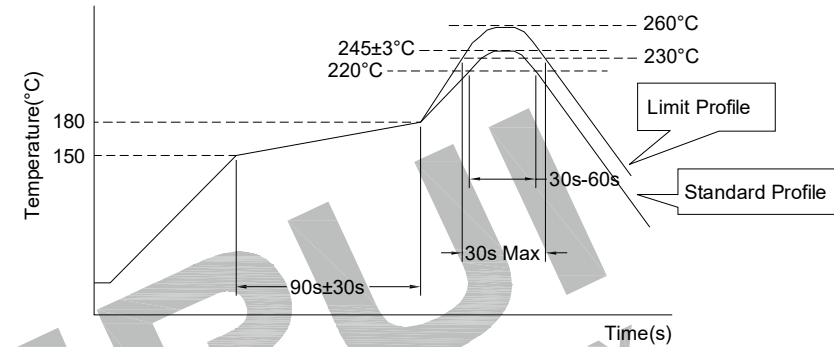


Outline Dimensions(Unit:mm)

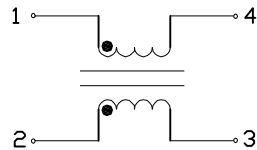


A	A1	B	C	D	E	F	G
±0.50	±0.50	±0.50	Max	REF	REF	REF	REF
15.0	15.6	13.0	6.60	9.40	2.60	2.50	2.50

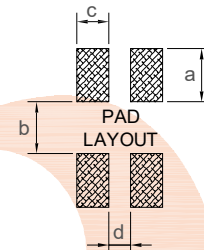
Recommended Soldering Temperature Graph.



Electrical Schematic



Suggested Pad layout



a	3.60 REF
b	8.80 REF
c	3.10 REF
d	3.30 REF

Electrical Characteristics(at 25°C)

Impedance 100MHz,1V (1-4)(2-3)	DC Resistor (1-4)(2-3)	Rated Current (Max)
400Ω Min(550Ω Typ)	6.00mΩ Max	10.0A

***Operating Temperature: -40°C~+125°C
(Temperature rise included)
***Storage Temperature: -40°C~+125°C
***Storage Humidity:RH10%~70%

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(.X)±0.50 (.XX)±0.25
Unit of measurement: mm

Make: Yuing.yu
Checked: Beson. zhan
Approved: Anson. zhan

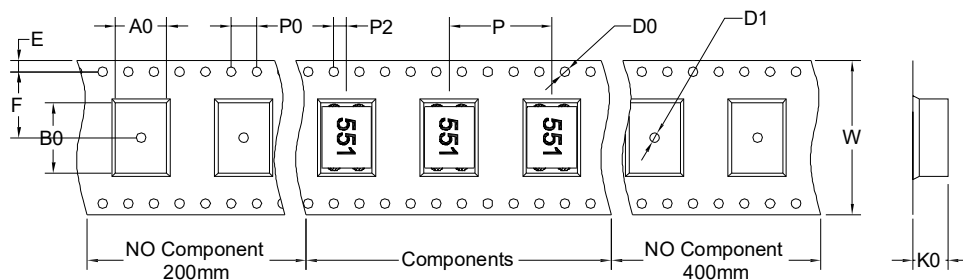
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SMD COMMON MODE CHOKES
Material Number: A341315XA030

Customer Name:
Document/Rev: 2201008/00
Specification Sheet: 1 of 4
Date of Recognition: Jan./04/2022

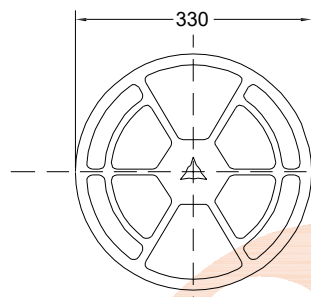
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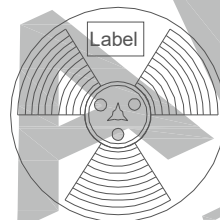
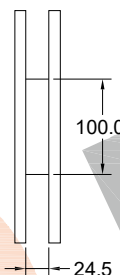
Packing Specifications(Unit:mm):



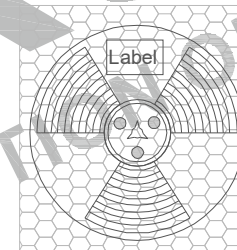
A0	13.3	F	11.5
B0	16.0	D0	1.50
P	16.0	D1	1.50
P0	4.00	K0	6.60
P2	2.00	W	24.0
E	1.75		



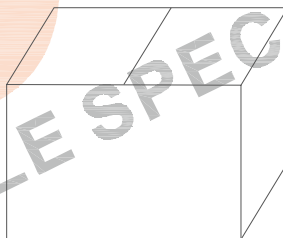
Quantity:500pcs/Reel



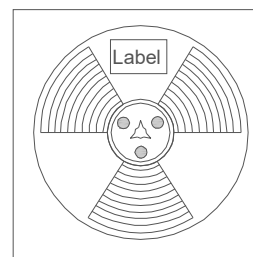
Quantity: 500pcs



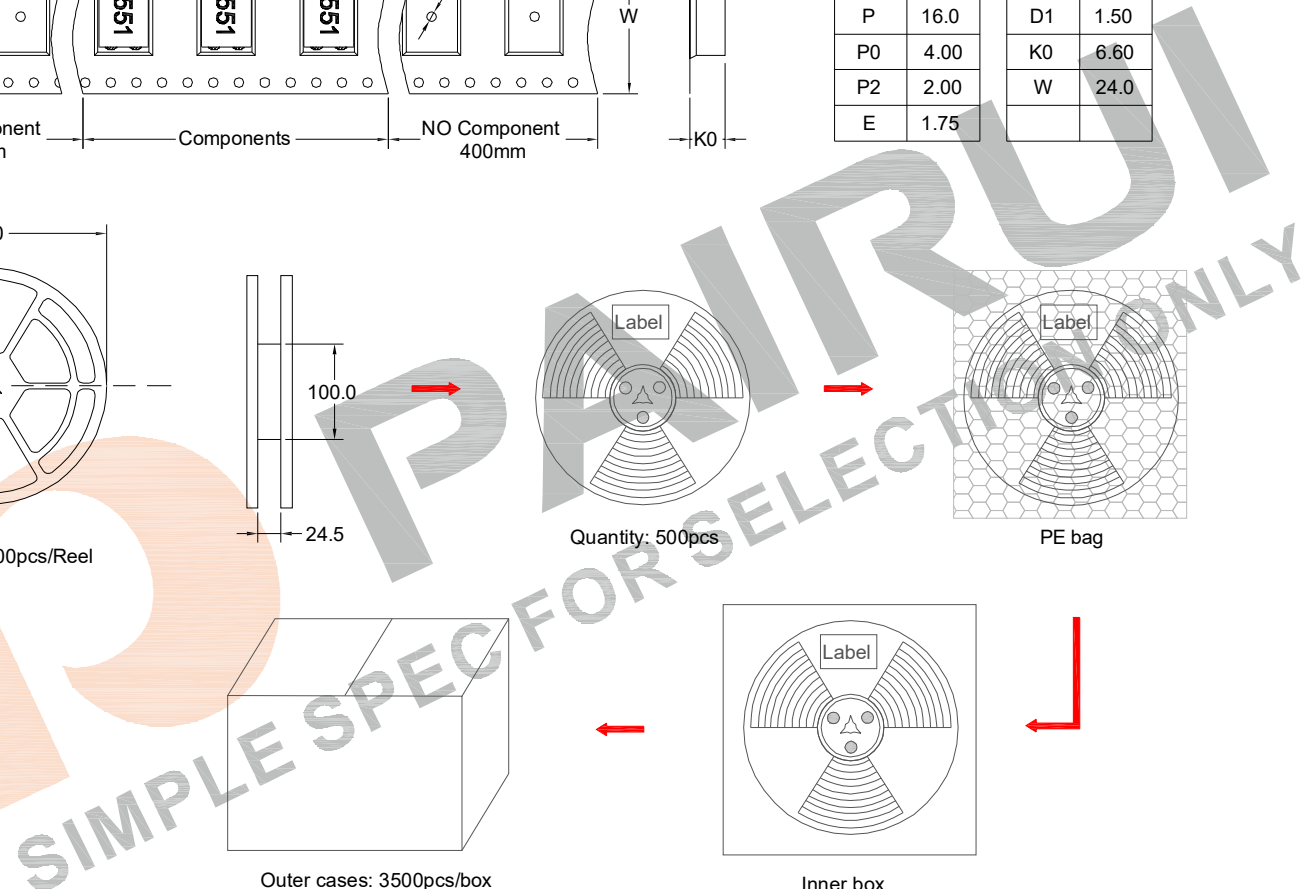
PE bag



Outer cases: 3500pcs/box
Insufficient boxes filled with inner boxes or fillers



Inner box
Quantity: 700 pcs/box



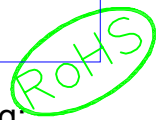
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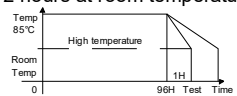
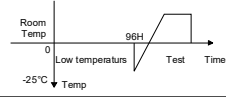
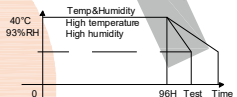
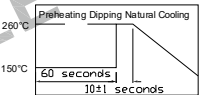
Make: Yuing.yu
Checked: Beson. zhan
Approved: Anson. zhan

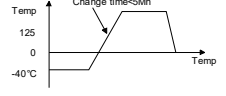
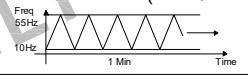
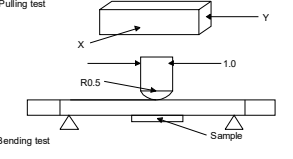
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SMD COMMON MODE CHOKES
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Specification Sheet: 2 of 4
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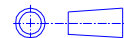


Reliability Testing:

Ltem	Specified value	Test methods
High temperature Storage test Reference documents: MIL-STD-202G Method 108A	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%.	Temperature:85±2°C Time:96±2 hours. Tested not less than 1 hour, not more than 2 hours at room temperature. 
Low temperature Storage test. Referencedocuments: IEC 68-2-1A 6.1 6.2	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%.	Temperature:25±2°C Time:96±2 hours. Tested not less than 1 hour, not more than 2 hours at room temperature. 
Humidity test Reference Documents: MIL-STD-202G Method 103B	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%.	1.Dry oven at a temperature of 40±5°C for 24 hours. 2.Measurements At the end of this period 3.Exposure:Temperature:40±2°C, Humidity: 93±3%RH Time:96±2 hours. 4.Tested while the specimens are still in the chamber. 5.Tested not less than 1 hour, nor more than 2 hours at room temperature. 
Heat endurance of Reflow soldering	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%.	Preheat:150°C,60 second. Solder:Sn/Ag/Cu. Solder:Temperature:260±5°C Flux:Rosin flux. Reflow peak time 10 second at 260°C 

Ltem	Specified value	Test methods
Thermal shock test Reference documents: MIL-STD-202G Method 107G	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%. For T:weighe≤28g:15 Min 28g≤weight≤136g:30 Min	First-40°C for T time,next+125°C Ttime as 1 cycle. Go through 20 cycles. 
Solderability test Reference documents: MIL-STD-202G Method 208H IPC J-STD-002B	Terminals area must have 95% Min. Solder coverage.	Dip pads in flux then dip in solder pot at 245±5°C for 5 second. Soler:Sn(93.5)Ag(3.5). Flux:Rosin flux.
Vibration test Reference documents: MIL-STD-202G Method 201A	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%.	Apply frequency 10~55Hz. 0.75mm amplitude in each of perpendicular direction for 2 hours.(total 6 hours). 
Drop test Reference documents: MIL-STD-202G Method 203G	1.No case deformation or change in appearance. 2.ΔL/L≤10%. 3.ΔQ/Q≤30%. 4.ΔDCR/DCR≤10%. For T:weighe≤28g:15 Min 28g≤weight≤136g:30 Min	Packaged & Drop down from 1m with 981m/s2(100G)attitude in 1 angle 1 ridges & 2 surfaces orientations.
Terminal strength push test Reference documents: JIS C 5321:1997	Pulling test: DEFINE:A:sectional area of terminal A≥8(Sq M) Force ≥5N time:30sec 8(Sq M)<A≤20(Sq M) Force ≥10N time:10sec 20(Sq M)<A force ≥20N time:10sec Bending test: Soldering the products on PCB,after the pulling testand bending test, terminal should not pull off	Bend the testing PCB at middle point, the deflection shall be 2mm 

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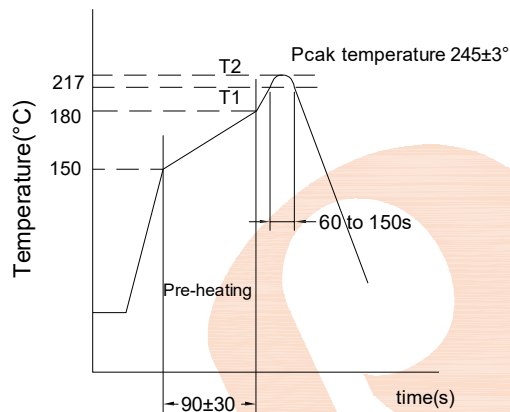
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Ltem	Specified value	Test methods
Resistance to solvent test Reference documents: IEC 68-2-45:1993	No case deformation or change in appearance, or obliteration of marking	To dip parts into IPA solvent for 5±0.5Min, then drying them at room temp for 5 Min, at last, to brushing making 10 times.
Electronic characteristic test of major products	Refer to catalogue of specific products	Refer to catalogue of specific products
Overload test Reference documents:	1. During the test no smoke, no peculiar smell, no fire	Apply twice as rated current for 5 minutes.

Recommended solderability temperature profile:



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-3.0Ag-0.5Cu solder
 Standard thickness of solder paste: 0.12-0.15mm

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