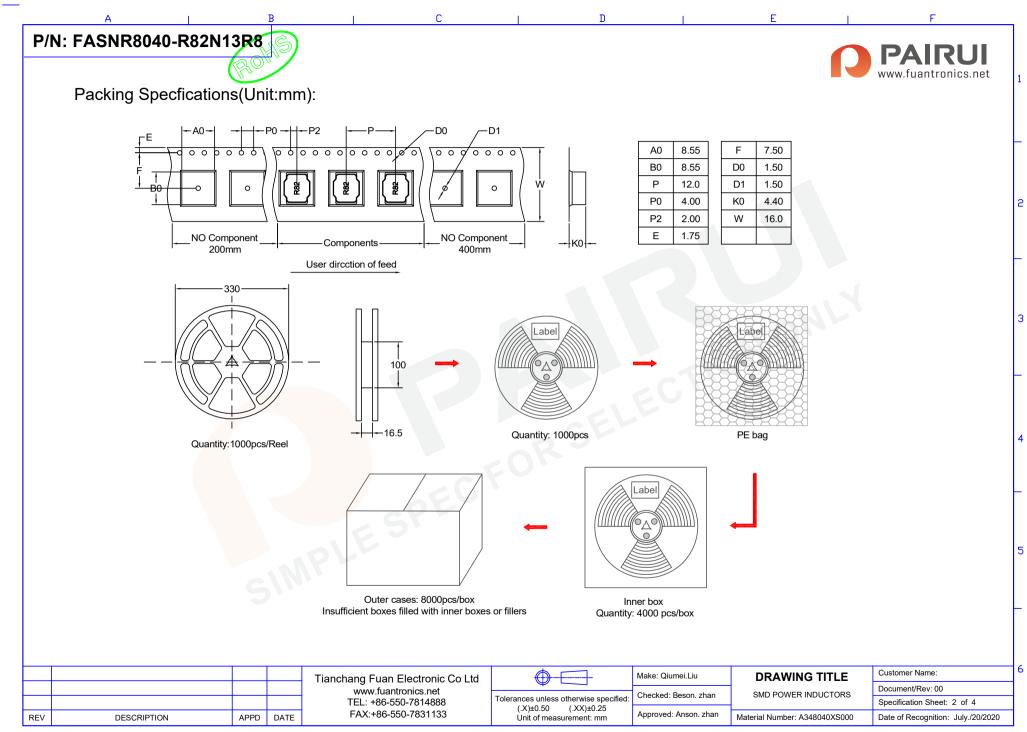


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					Tolerances unless otherwise specified: (.X)±0.50 (.XX)±0.25	ied:		Specification Sheet: 1 of 4
RE\	DESCRIPTION	APPD	DATE		Unit of measurement: mm	Approved: Anson. zhan	Material Number: A348040XS000	Date of Recognition: July./20/2020



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Reliability Testing:

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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. Temp
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. $\underbrace{\overset{Room}{{}_{1 \text{ temp}}}}_{\overset{\text{get}}{_{2 \text{ 5°C}}}} _{\text{Test}} _{\text{Test}} _{\text{Time}}$
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,Humidit 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)<br="">Force≥10N time:10sec 20(Sq M)<a force≥20n<br="">time:10sec Bending test: Soldering the products on PCB,after the pulling testand bending test, terminal should not pull off</a≤20(sq>	Bend the testing PCB at middle point, the deflection shall be 2mm		

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					Tolerances unless otherwise specified:	Checked: Beson. zhan	SMD POWER INDUCTORS	Specification Sheet: 3 of 4
REV	DESCRIPTION	APPD	DATE	FAX:+86-550-7831133	(.X)±0.50 (.XX)±0.25 Unit of measurement: mm	Approved: Anson. zhan	Material Number: A348040XS000	Date of Recognition: July./20/2020
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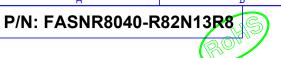
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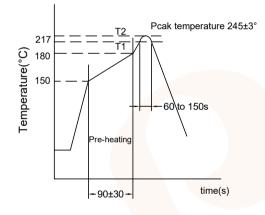
Ltem	Specified value	Test methods		
Resistance to solvent test Reference documents: IEC 68-2-45:1993	No case deformation or change in appearance,or obliteration of marking	To dip parts into IPA solvent for 5±0.5Min, then drying them atroom temp for 5 Min,at last,to brushing making 10 times.		
Electronic 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.		

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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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					Tolerances unless otherwise specified: (.X)±0.50 (.XX)±0.25	Checked, Beson, Zhan		Specification Sheet: 4 of 4	1
REV	DESCRIPTION	APPD	DATE		Unit of measurement: mm	Approved: Anson. zhan	Material Number: A348040XS000	Date of Recognition: July./20/2020	1