Version: 1.1

SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

ITEM P/N	POC3225A-150M	TEST INSTRUMENT	Agilent4291B / Agilent4338B
PRODUCT	SMD Inductor For Power Line	TEST FREQUENCY	25 MHz / 0.5V

CUSTOMER	:	
CUSTOMER P/N	:	
DESCRIPTION	:	SMD Inductor For Power Line
SINKA P/N	:	POC3225A-150M
REVISION NO.	:	V1.1
DATE	:	2020/6/1
NOTES	:	STANDARD

DOCUMENTED	
APPROVED	Y.Imai
CHECKED	Jack
	Bruce
PREPARED	Carrie

CUSTOMER APPROVAL

company seals

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Version: 1.1

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Version	REVISON ITEM	BEFORE REVISON	AFTER REVISON	DATE
1.1	First Version			2020/6/1

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COIL SPECIFICATION

RoHS COMPLIANT

ITEM P/N	POC3225A-150M	TEST INSTRUMENT	Agilent4291B / Agilent4338B
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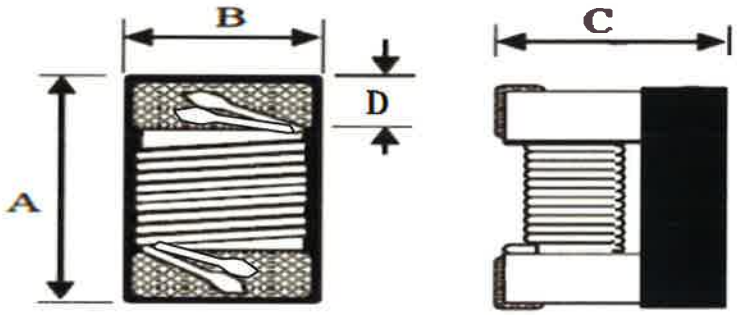
PACKING DIMENSIONS (mm)



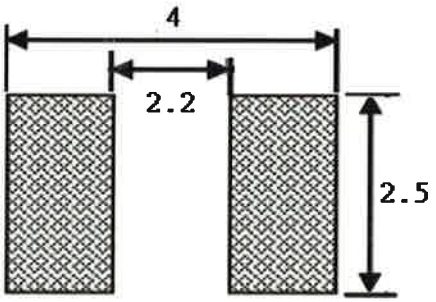
POC3225 A	Dimensions
A	3.20 ± 0.2
B	2.50 ± 0.2
C	2.30 ± 0.2
D	0.50 ± 0.1

EXPLANATION OF PART NUMBERS

1	2	3	4	5	6	7	8	9	10
P	OC	3	2	2	5A	-	1	5	0	M
	①			②				③		④

1. Product Name
2. Dimensions
3. Inductance Code
4. Inductance Tolerance (J = ±5% , K = ±10% , M = ±20%)

RECOMMENDED FOOTPRINT(Unit:mm)



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CHARACTERISTICS

RoHS COMPLIANT

ITEM P/N	POC3225A-150M	TEST INSTRUMENT	Agilent4291B / Agilent4338B
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ELECTRICAL CHARACTERISTICS

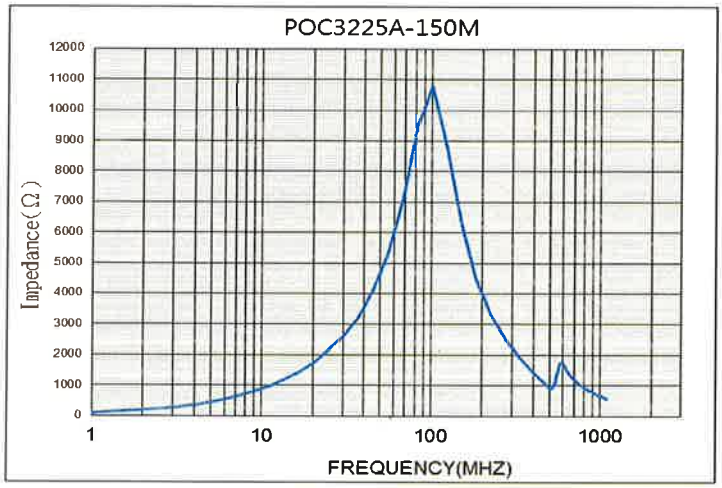
HUNGTRON Part Number	Inductance (uH)/MHz	Inductance Tolerance	SRF (MHz) typ.	DCR (Ω) Max.	I dc (mA) Max.	I rms (mA) typ
POC3225A-150M	15 / 1	M	50	0.45	500	600

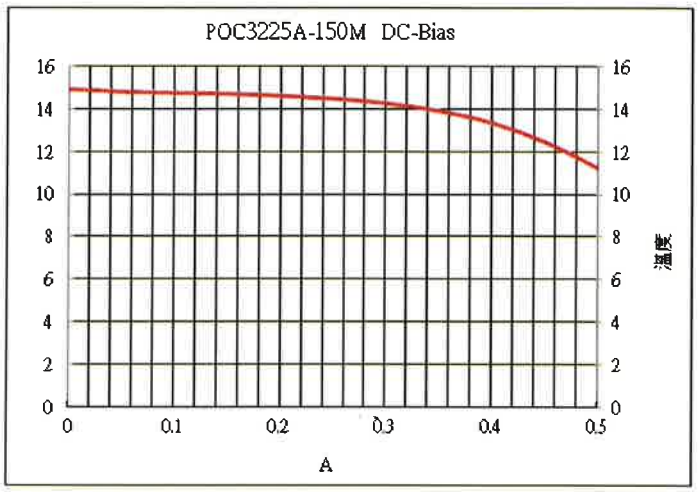
Operating temperature : -25 to +125℃

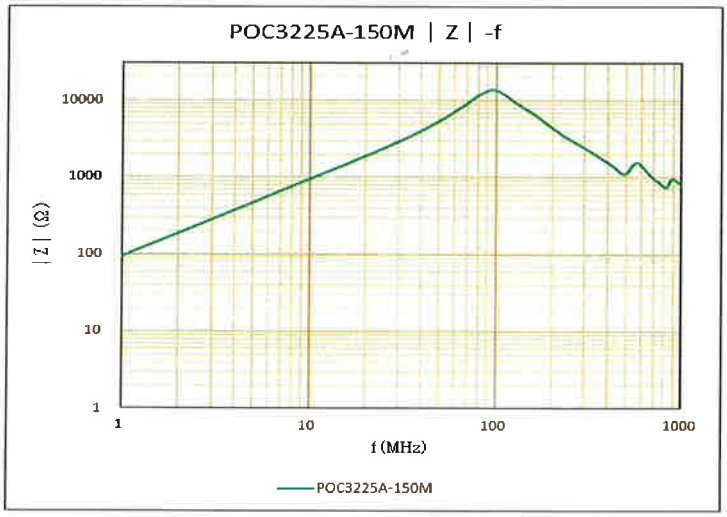
Idc for Inductance drop 30% from its value without current

If Use Wave soldering is there will be some risk. Re-flow soldering temperatures below 240 degrees, there will be unwitting risk

ELECTRICAL CHARACTERISTICS







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CHARACTERISTICS

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Reliabilitv and Test Condition

Item	Specifications	Test conditions
Solderability	The metalized area must have 90% minimum solder coverage.	Dip pads in flux and dip in solder pot(96.5 Sn/3.5 Ag solder) at 255°C ±5°C.
Resistance to soldering heat	There must be no case deformation or change in dimensions. Inductance must not change more than the stated tolerance.	Inductors shall be reflowed onto a PC board using 96.5 Sn/3.5 Ag solder paste. Solder process shall be at a maximum temperature of 260°C. For 96.5 Sn/3.5 Ag solder paste:>217°C for 90 seconds
Vibration	There must be no case deformation or change in dimensions. Inductance must not change more than the stated tolerance.	Solder specimen inductor on the test printed circuit board. Apply vibrations in each of the x,y and z directions for 2 house for a total of 6 hours. Frequency : 10~50 Hz Amplitude : 1.5mm
High temperature resistance	There must be no case deformation or change in dimensions. Inductance must not change more than the stated tolerance.	Inductors shall be subjected to temperature 125±2°C for 50±12 hours. Measure the test items after leaving the inductors at room temperature and humidity for 2 hours.
Static Humidity	Inductors must not have a shorted or openwinding.	Inductors shall be subjected to temperature 85±2°C and 90 to 95%RH. for ten 24-hours. Measure the test items after leaving the inductors at room temperature and humidity for 2 hours.
Terminal Strength	Force of 1.8kg for 60s	

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CHARACTERISTICS

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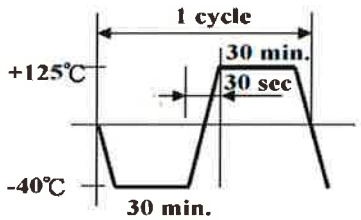
Reliability and Test Condition

Item	Specifications	Test conditions
Low temperature storage	There must be no case deformation or change in dimensions. Inductance must not change more than the stated tolerance.	Inductors shall be subjected to temperature -40±2℃ for 48±12 hours. Measure the test items after leaving the inductors at room temperature and humidity for 1 to 2 hours.
Resistance to solvent	There must be no case deformation, change in dimensions, or obliteration of marking.	Inductors must withstand 6 minutes of alcohol or water.
Thermal shock	There must be no case deformation or change in dimensions. Inductance must not change more than the stated tolerance.	Inductors shall be subjected to 10 cycles to the the following temperature cycle:  Measure the test items after leaving the indu at room temperature and humidity for 2 hou

CHARACTERISTICS

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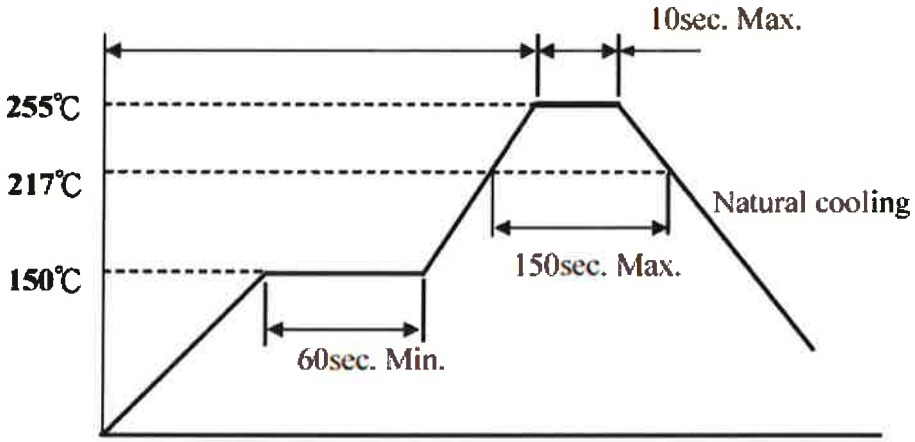
Recommended Reflow Pattern

Reflow : until two times



Iron Soldering

Use a solder iron of less than 30W when soldering ,do not allow the soldering iron t directly touch the body outside of terminal electrode.

4 seconds max. at 260℃.

Attention in Case of Using

In case of using product ,please avoid following matters:

Splashing water or salt water

Dew condenses

Toxic gas (Hydrogen sulfide, Sulfurous acid ,Chlorine, Ammon

Vibrations or shocks which exceed the specified condition

Please be careful for the stress to this product by board flexure or something after the mounting.

Others

1 Operating temperature range : Series :-40~+125℃

2 Storage condition : Temperature 20°~25℃, Relative Humidity 40%~60%

3 Recommended wire wound inductors should be used within 6 months from the time of delivery.

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PACKING FOR SMD

RoHS COMPLIANT

ITEM P/N	POC3225A-150M	TEST INSTRUMENT	Agilent4291B / Agilent4338B
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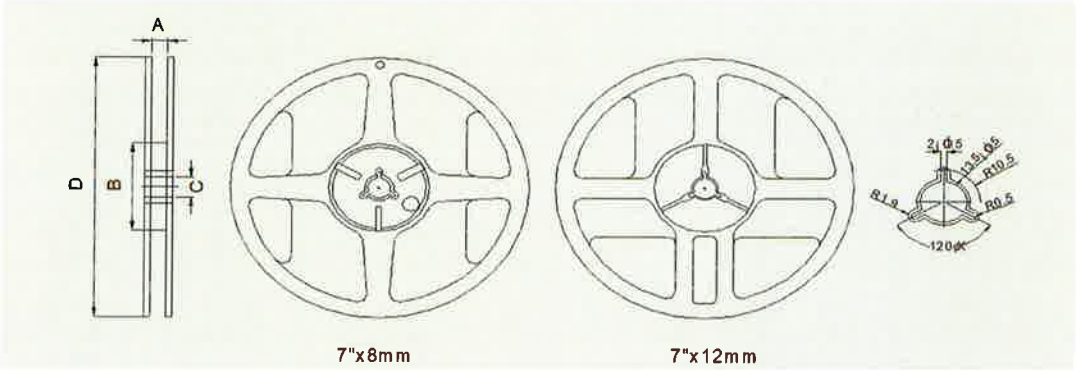
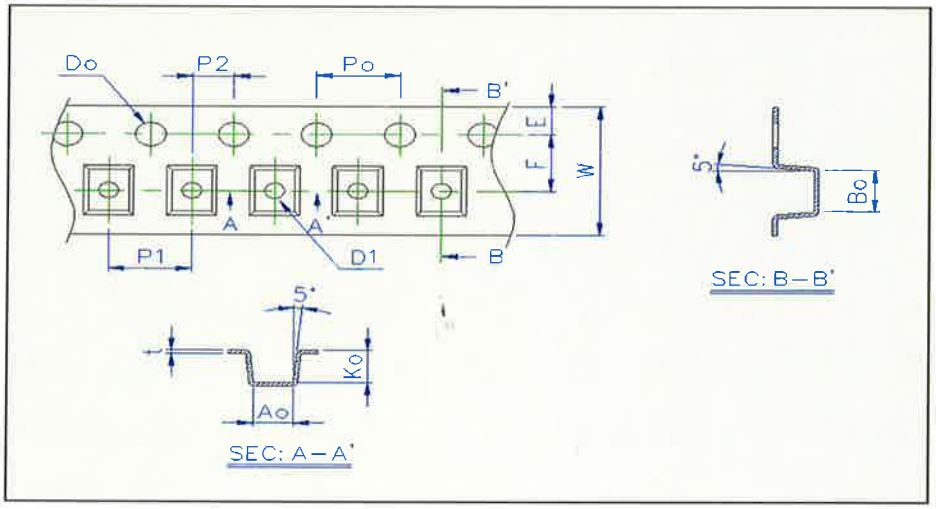
Reel Dimension & Tape Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)
7"x8mm	9.0±0.5	60±2	13.5±0.5	178±2
7"x12mm	13.5±0.5	60±2	13.5±0.5	178±2



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
3225	2.80±0.10	3.60±0.10	2.20±0.10	8.00±0.20	1.75±0.10	3.50±0.05	4.0±0.05	4.0±0.10	1.0±0.1

Packaging Quantity

Chip Size	3225
8mm/ Reel	1500

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