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Edition: 2

ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

Customer : BLUME Elektronik Distribution GmbH

Customer P/N:

Drawing No : A0X2102007

Quantity : 0 Pcs. Date : 2021/06/08

Chilisin P/N : BSHQ00040202 Series

SPECIFICATION ACCEPTED BY:

COMPONENT
ENGINEER

ELECTRICAL
ENGINEER

MECHANICAL
ENGINEER

APPROVED

REJECTED

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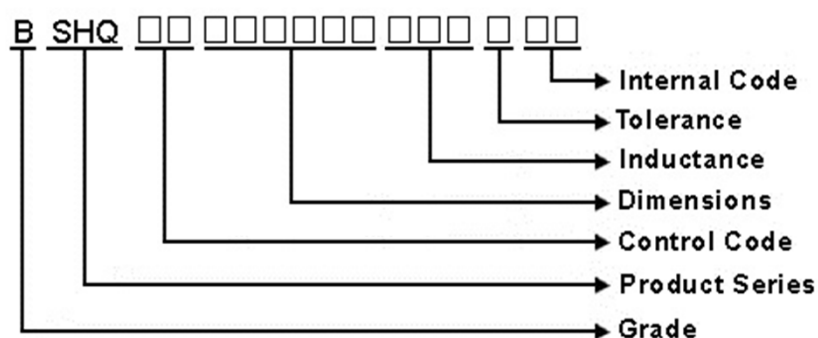
Approved by
R028 葉信賢

AP-2103941

BSHQ00040202 Series Specification

1 Scope: This specification applies to Multilayer ceramic chip inductors

2 Part Numbering:



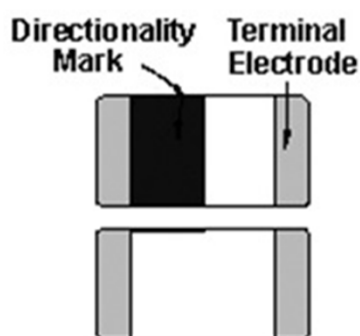
3 Rating:

Operating Temperature: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)

Storage Temperature: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (after PCB)

$-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$, Humidity 40%~70% (before PCB)

4 Marking:

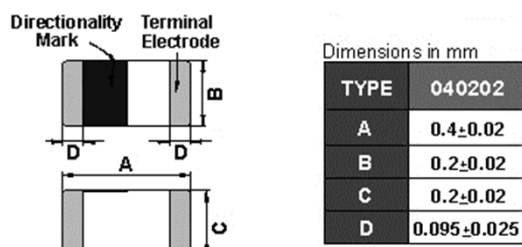


5 Standard Testing Condition

	Unless otherwise specified	In case of doubt
Temperature	Ordinary Temperature(15 to 35°C)	20 to 30°C
Humidity	Ordinary Humidity(25 to 85% RH)	50 to 80 %RH

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6 Configuration and Dimensions:



7 Electrical Characteristics:

Part No.	Inductance (nH)	L,Q Test Freq.	Q Min.	SRF (MHz)Min.	RDC (Ω)Max.	Rated Current (mA)Max.	Tolerance
BSHQ000402021N0□00	1	500MHz,500mV	8	13000	0.6	220	B
BSHQ000402021N2□00	1.2	500MHz,500mV	8	12500	0.6	220	B
BSHQ000402021N5□00	1.5	500MHz,500mV	8	9500	0.6	220	B
BSHQ000402021N8□00	1.8	500MHz,500mV	8	9000	0.7	200	B
BSHQ000402022N0□00	2	500MHz,500mV	8	9000	0.75	200	B
BSHQ000402022N2□00	2.2	500MHz,500mV	8	7500	0.75	200	B
BSHQ000402022N4□00	2.4	500MHz,500mV	8	7500	0.75	200	B
BSHQ000402022N7□00	2.7	500MHz,500mV	8	7500	0.8	200	B
BSHQ000402023N0□00	3	500MHz,500mV	8	7500	1.1	200	B
BSHQ000402023N3□00	3.3	500MHz,500mV	8	7500	1.3	180	B
BSHQ000402023N6□00	3.6	500MHz,500mV	8	7500	1.3	180	B
BSHQ000402023N9□00	3.9	500MHz,500mV	8	7500	1.3	180	B
BSHQ000402024N3□00	4.3	500MHz,500mV	8	7000	1.3	180	H
BSHQ000402024N7□00	4.7	500MHz,500mV	8	6500	1.5	160	H
BSHQ000402025N1□00	5.1	500MHz,500mV	8	6500	1.5	160	H
BSHQ000402025N6□00	5.6	500MHz,500mV	8	6000	1.8	140	H
BSHQ000402026N2□00	6.2	500MHz,500mV	8	5500	1.8	140	H
BSHQ000402026N8□00	6.8	500MHz,500mV	8	5500	2	140	H
BSHQ000402027N5□00	7.5	500MHz,500mV	8	5500	2	140	H
BSHQ000402028N2□00	8.2	500MHz,500mV	8	4500	2.1	140	H
BSHQ000402029N1□00	9.1	500MHz,500mV	8	4000	2.1	140	H
BSHQ0004020210N□00	10	500MHz,500mV	8	4000	2.5	140	H

NOTE: □-tolerance B=±0.1nH / H=±3% 正常2N7(含)B公差4N3(含)H公差

1.Operating temperature range — 5 5℃ ~ 1 2 5℃ (Including self - temperature rise)

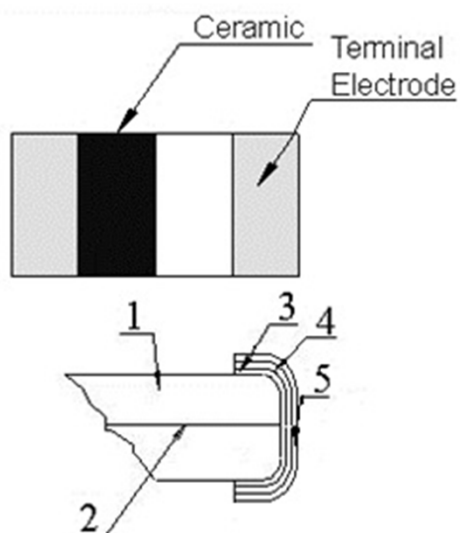
2.Rate Current : Applied the current to coils, the temperature rise shall not be more than 25℃

3.Residual impedance of short chip : 0.11nH

BSHQ00040202 Series Specification

8 BSHQ00040202 Series

8.1 Construction:



8.2 Material List:

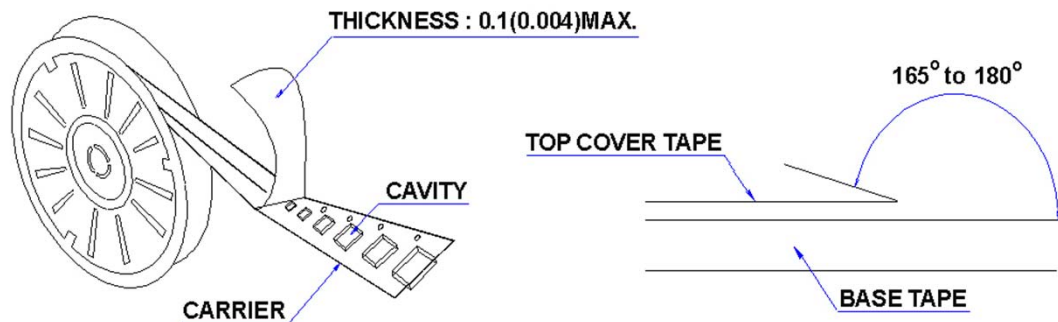
No	Part	Material
1	Main Substance	Al ₂ O ₃ -B ₂ O ₃ -SiO ₂
2	Silver electrode	Ag
3	Silver electrode	Ag
4	Ni plating	Ni
5	Sn plating	Sn

BSHQ00040202 Series Specification

9 Packaging:

9.1 Packaging -Cover Tape

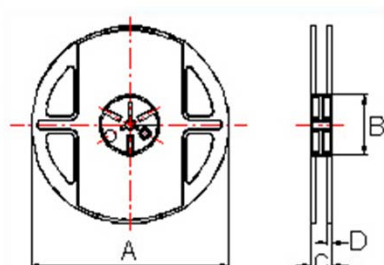
The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



9.2 Packaging Quantity

TYPE	PCS/REEL
040202	20000

9.3 Reel Dimensions



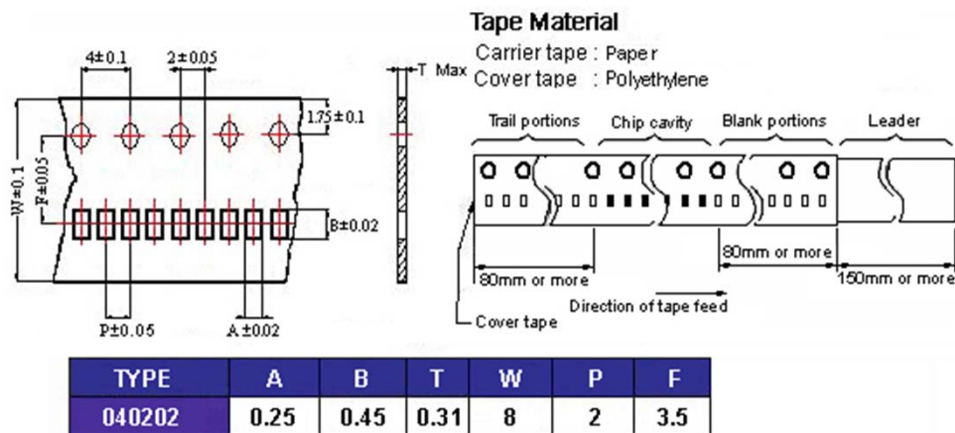
Dimensions in mm

TYPE	A	B	C	D
040202	178	60	12	1.5

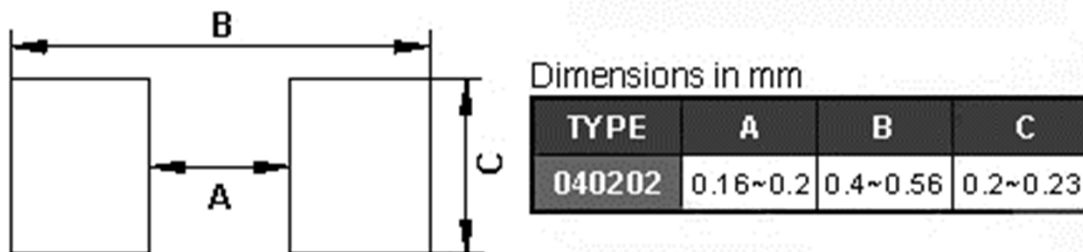
BSHQ00040202 Series Specification

9 Packaging:

9.4 Tape Dimensions in mm



10 Recommended Land Pattern:



11 Note:

1. Please make sure that your product has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)
5. The moisture sensitivity level (MSL) of products is classified as level 1.

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12 Graph:

