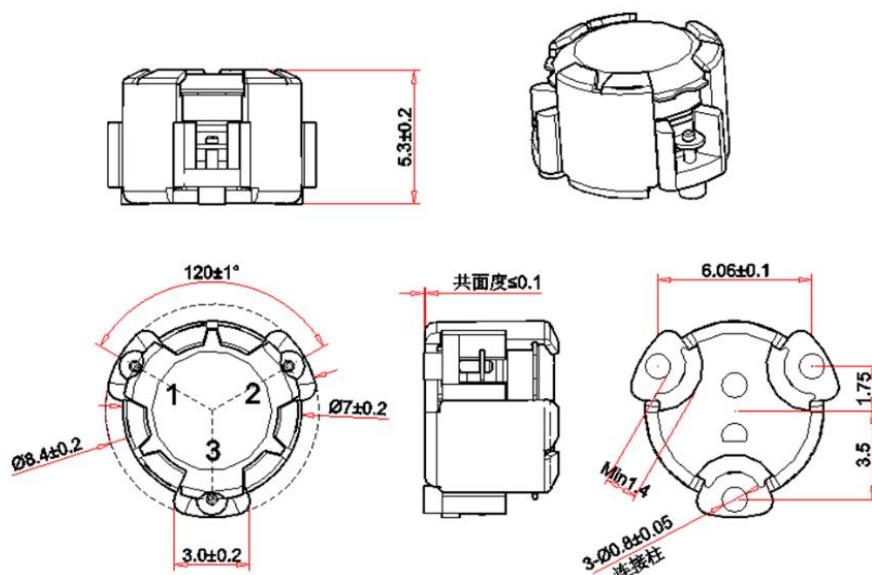


Shenzhen Nordson Bo Communication Co., Ltd

PRODUCT SPECIFICATION

Parameter		Spec						
Parameter		Symbol	Condition	Limits		Unit		
Min	Typ			Max				
Product Name	Clockwise SMT Circulator							
Product Model	SC300TB-2496-2690-30-1							
Product Code	101.904.7169							
Documentation Edition	V1.0							
RoHS	RoHS 2.0							
Parameter	Symbol	Condition	Limits		Unit			
			Min	Typ				
Frequency	f			2496-2690	MHz			
Isolation	Iso	Inband	20		dB			
Return loss	R _L	Inband (S11,S22)	20		dB			
Insertion loss	I _L	Inband			0.3	dB		
Input power	P _{IN}	Within freq. range	30		W			
Input power, peak		Within freq. range	300		W			
Reflected power			30		W			
Attenuation		2 x TX	10		dB			
		3 x TX	5		dB			
Inter modulation distortion, 3:rd order	IM3	10W x 2 tones 1 MHz spacing			-55	dBc		
Operating temp. range	T _{opr}	Full data	-40		+110	°C		
Storage temp. range	T _{stg}		-40		+125	°C		

Unit: mm/ inch, General part tolerance is $\pm 2\%$ unless otherwise stated.



- Product screen printing instructions

The schematic diagram of the product screen printing is as follows:



A. The four digits above the QR code represent the last four digits of our company's product code. If the code for this product is "101.904.7169", then "7169" should be printed here;

B. The four digits below the QR code represent the week of product production, for example, "2101" represents the production time in the first week of 2021;

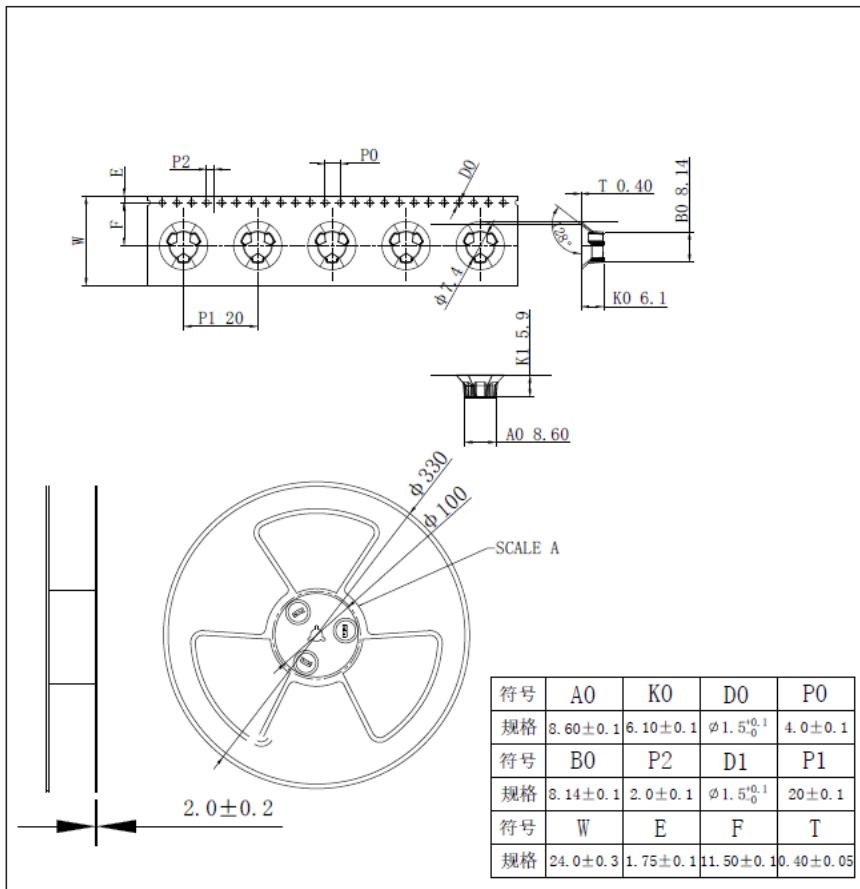
C. The central area is a QR code containing the product serial number for product traceability;

D. The two digits next to the pins are screen printed on the pins: pin 1 represents input, pin 2 represents output;

E. After mass production, silk screen printing should be carried out according to the above instructions. In the sample stage, only the product direction and frequency band should be marked

- Packaging information

The mass production stage of this product adopts tape packaging, and the size of the tape is shown in the following figure:



Explanation:

- 1 and 2 pins are placed on the side of the circular hole;
- The packaging quantity for each roll of product is 448PCS, with 5 rolls per large box.