

产品承认书

SPECIFICATION FOR APPROVED

版本: REV.B1

客 户

8826

Customer

客户料号

7687727182

Customer P/N

品 名

RADIAL TYPE CHOKE INDUCTOR

Description

产品型号

CKPP0810-1.8mH/J-UTR(1UEW)

CENKER P/N

图纸编号

SP-CK112-GXA03604

Drawing No.

产品编号

Product code.

出图

DRAWING

制表

Prepared By

审核

Checked By

批准

Approved By

覃玉云

韦秀华

黄小东

DATE: 2022/5/30

承认

CUSTOMER APPROVAL

钟彪

DATE: 2022/7/8



深圳市岑科实业有限公司

SHENZHEN CENKER ENTERPRISE LTD.

地址:深圳市龙华区大浪街道恒大时尚慧谷6栋A区11楼

Address:11th Floor Area a Building 6 Hengda
Fashion Huigu ,Dalang Street,Longhua District,
Shenzhen P.R.China

TEL:0755-89808755 FAX:0755-27525256



SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

RoHS 2.0

CUSTOMER	8826	CUSTOMER No.	7687727182
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)	DRAWING No.	SP-CK112-GXA03604
ISSUE DATE	2022/5/30	VERSION	B1

MODIFY RECORD

Symbol	Version	Date	Content	Prepared	Checked
	A0	2018/8/2	New issue	QinYuyun	LiangGuichuan
△ ₁	A1	2019/7/25	CHANGE PACKING	QinYuyun	LiangGuichuan
△ ₂	A2	2019/8/13	CHANGE wire 0.17→0.18 DCR 4.0→3.3Max, PACK Quantity: 500→700; ADD INSULATION TEST	QinYuyun	LiangGuichuan
△ ₃	A3	2020/5/18	ADD CORE SUPPLIER	QinYuyun	Liangxiuyong
△ ₄	A4	2021/10/8	Change DCR: 3.3Ω Max.→3.5Ω Max.	QinYuyun	ZhongYuanming
△ ₅	A5	2022/3/10	Change PACK Quantity: 700→500 Outer box:2100→1500	QinYuyun	Wan Fangzhong
△ ₆	B0	2022/4/14	Change Core Specification: DRT 7.8×9.7→DRT 7.8×10.3 B:9.5±0.5→10.0±0.5	QinYuyun	Wan Fangzhong
△ ₇	B1	2022/5/30	Add magnetic core magnetic cover supplier	QinYuyun	Huang Xiaodong

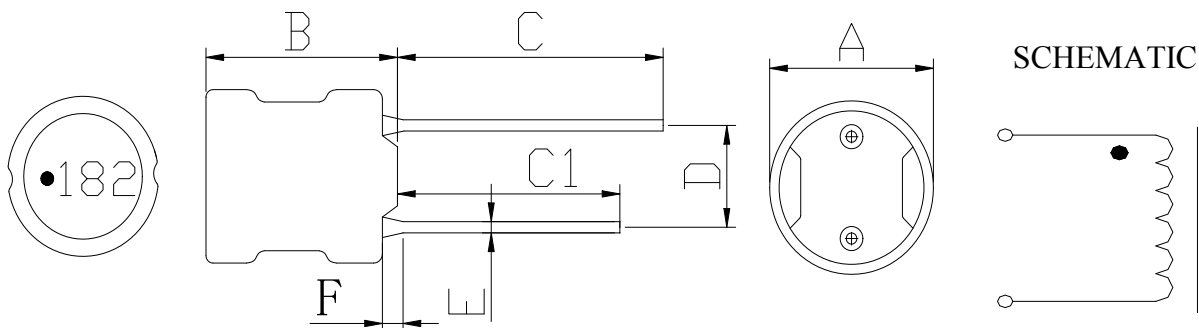
SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

RoHS 2.0

CUSTOMER	8826	CUSTOMER No.	7687727182	PAGE
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)	DRAWING No.	SP-CK112-GXA03604	1/6
ISSUE DATE	2022/5/30	VERSION	B1	

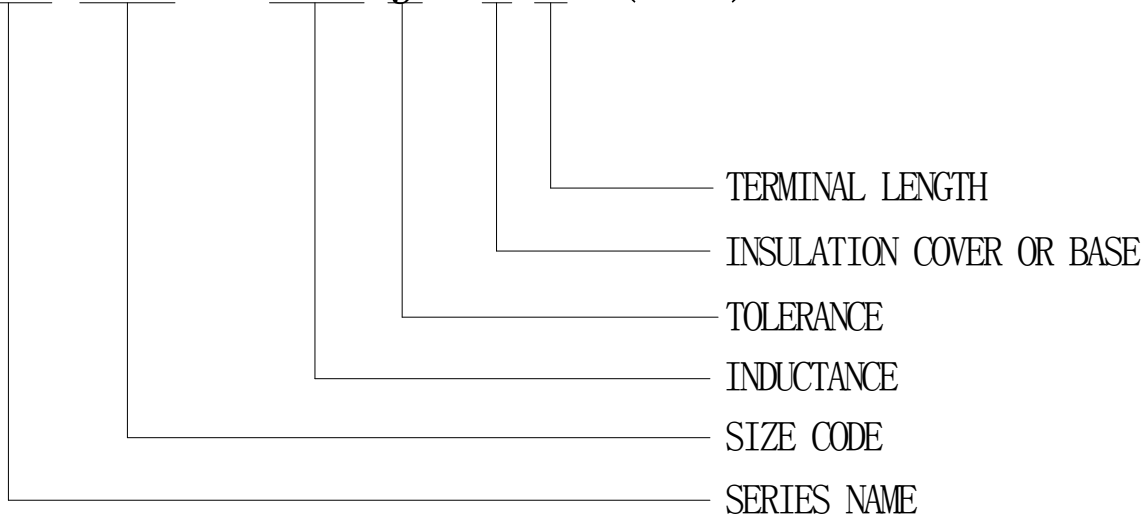
1、 DIMENSION (mm):



NOTE: ● Start of winding, Casing sets of flat top of the magnetic core ;

A	B	C	C1	D	E	F
8.5±0.5	10.0±0.5	22.0±2.0	20.0±2.0	5.0±0.5	0.65 Ref	2.5Max

CKPP 0810 - 1.8mH J - U TR (1UEW)



2、 TEMPERATURE RATING:

Operating Temperature : -25℃ ~ +85℃ ; Storage Temperature : -25℃ ~ +85℃



深圳市岑科实业有限公司
SHEN ZHEN CENKER ENTERPRISE LTD.
TEL:0755-89808755 FAX:0755-27525256

PREPARED	CHECKED	APPROVED
覃玉云	韦秀华	黄小东

SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

RoHS 2.0

CUSTOMER	8826	CUSTOMER No.	7687727182	PAGE
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)	DRAWING No.	SP-CK112-GXA03604	2/6
ISSUE DATE	2022/5/30	VERSION	B1	

3、ELECTRICAL REQUIREMENTS:

ITEM	SPEC.	TOLERANCE	TEST FREQUENCY	TEST EQUIPMENT
INDUCTANCE	1.8mH	±5%	10kHz/0.25V	HP-4284A
△ DCR	3.5Ω	Max.	at 25℃	Keysight 34420A
IDC	0.3A	L0A×90% Ref.	10kHz/0.25V	HP-4284A+HP-42841A
△ INSULATION TEST	DC1400V test Impulses 8, area size comparison Spec. ±10%, Diffzone comparison Spec. ±20%, corona detection spec.5 max			ZX8815

4、MATERIAL LIST:

No.	Material	Specification	Supplier	UL.
1	Core	△ DRT 7.8×10.3 or equivalent	△ SUNRISE FERRITE CORES ELECTRONIC CO.,LTD. /NAN NING JINGWEI ELECTRONIC CO.,LTD./SUMEIER MAGNETISM ELECTRONIC (HUI ZHOU) CO., LTD.	
△ 2	Wire	Ø0.18mm×235.5Ts. Ref. (1UEW-F) 155℃ or equivalent	DONG GUAN YI DA INDUSTRIAL CO.,LTD	E344055
			SHANTOU SHENGANG ELECTRICAL INDUSTRIAL CO.,LTD.	E239508
3	Solder	99.9% (Sn99.9) or equivalent	HuiZhou Chang Sheng METAL PRODUCTS CO.,LTD	
4	Tube	UL Φ8mm(BLACK) RSFR-H or equivalent	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO.,LTD	E203950
		UL Φ8mm(BLACK) X-2 or equivalent	SHENZHEN XINGQI PLASTIC PRODUCE CO.,LTD	E350991
5	Epoxy	DZ-5-10 or equivalent	Shenzhen Jingdingsheng Electronic Materials Co. , Ltd	
6	Pin	CP Φ0.64×23.5mm or equivalent	SHENZHEN CENKER ENTERPRISE LTD.	



深圳市岑科实业有限公司
SHEN ZHEN CENKER ENTERPRISE LTD.
TEL:0755-89808755 FAX:0755-27525256

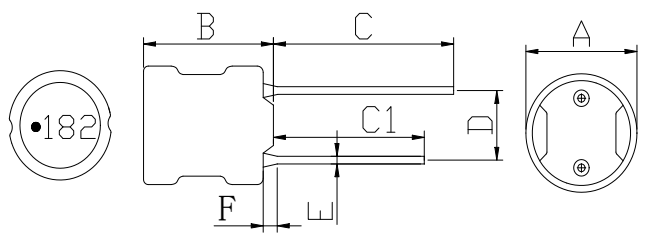
PREPARED	CHECKED	APPROVED
覃玉云	韦秀华	黄小东

SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

RoHS 2.0

PAGE:3/6

CUSTOMER	8826	LOT No.			
CUSTOMER No.	7687727182	QUANTITY	10PCS	DATE	2022/5/30
DRAWING No.	SP-CK112-GXA03604	DIMENSION(UNIT: mm) 			
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)				
DESCRIPTION	RADIAL TYPE CHOKE INDUCTOR				
TEST FREQ	10kHz/0.25V				
TEMPERATURE	25 °C	HUMIDITY	75%		

5.TESTING DATA: (JW)

ELECTRONICAL TEST DATA				OREALL DIMENSTON (UNIT: mm)									
	L	IDC 0.3A	DCR	A	B	C	C1	D	E	F			
SPEC	1.8mH ±5%	L0A×90 % Ref.	3.5Ω Max.	8.5±0.5	10.0±0.5	22.0±2.0	20.0±2.0	5.0±0.5	0.65 Ref	2.5Max			
1	1.79	1.70	3.24	8.48	10.42	21.81	19.59	5.09	0.63	1.47			
2	1.81	1.72	3.29	8.51	10.30	21.77	19.61	5.09	0.64	1.43			
3	1.82	1.74	3.36	8.49	10.29	21.79	19.58	5.06	0.63	1.49			
4	1.81	1.72	3.29	8.47	10.43	21.81	19.61	5.12	0.62	1.47			
5	1.82	1.74	3.27	8.45	10.35	21.78	19.59	5.06	0.63	1.45			
6	1.79	1.71	3.34	8.46	10.42	21.78	19.60	5.06	0.63	1.42			
7	1.82	1.73	3.35	8.47	10.32	21.83	19.59	5.12	0.62	1.46			
8	1.81	1.73	3.40	8.46	10.38	21.77	19.66	5.12	0.63	1.41			
9	1.83	1.75	3.26	8.45	10.32	21.84	19.62	5.03	0.62	1.42			
10	1.82	1.73	3.32	8.45	10.35	21.82	19.63	5.06	0.63	1.43			
X̄	1.81	1.73	3.31	8.47	10.36	21.80	19.61	5.08	0.63	1.44			
R	0.04	0.04	0.16	0.07	0.14	0.07	0.08	0.09	0.02	0.08			

TEST EQUIPMENT:

ALL JUDGE

☒ OK ☐ NG

L ☐ CH-1062A ☒ HP-4284A

Q ☐ HM2801A ☐ HM9481 ☐ CJ2851

DCR ☒ Keysight 34420A

SRF ☐ HM9460

IDC ☐ CD1068+CD1320 ☒ HP-4284A+HP-42841A



深圳市岑科实业有限公司

SHEN ZHEN CENKER ENTERPRISE LTD.

TEL:0755-89808755 FAX:0755-27525256

PREPARED

覃玉云

CHECKED

韦秀华

APPROVED

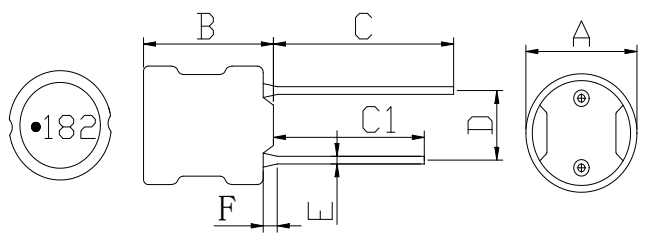
黄小东

SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

RoHS 2.0

PAGE:3/6

CUSTOMER	8826	LOT No.			
CUSTOMER No.	7687727182	QUANTITY	10PCS	DATE	2022/5/30
DRAWING No.	SP-CK112-GXA03604	DIMENSION(UNIT: mm) 			
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)				
DESCRIPTION	RADIAL TYPE CHOKE INDUCTOR				
TEST FREQ	10kHz/0.25V				
TEMPERATURE	25 °C	HUMIDITY	75%		

5.TESTING DATA: (SME)

ELECTRONICAL TEST DATA				OREALL DIMENSTON (UNIT: mm)									
	L	IDC 0.3A	DCR	A	B	C	C1	D	E	F			
SPEC	1.8mH ±5%	L0A×90 % Ref.	3.5Ω Max.	8.5±0.5	10.0±0.5	22.0±2.0	20.0±2.0	5.0±0.5	0.65 Ref	2.5Max			
1	1.82	1.73	3.25	8.52	10.42	21.75	19.53	5.20	0.64	1.45			
2	1.80	1.72	3.29	8.51	10.28	21.77	19.61	5.12	0.64	1.43			
3	1.79	1.71	3.30	8.51	10.29	21.79	19.58	5.06	0.63	1.46			
4	1.81	1.72	3.29	8.47	10.40	21.82	19.62	5.12	0.63	1.47			
5	1.79	1.71	3.32	8.45	10.29	21.78	19.59	5.09	0.64	1.43			
6	1.79	1.71	3.34	8.43	10.42	21.78	19.62	5.06	0.63	1.42			
7	1.80	1.72	3.28	8.47	10.31	21.80	19.59	5.12	0.62	1.47			
8	1.81	1.73	3.31	8.48	10.38	21.82	19.62	5.09	0.63	1.41			
9	1.81	1.73	3.26	8.45	10.30	21.84	19.62	5.03	0.64	1.42			
10	1.82	1.73	3.32	8.45	10.31	21.82	19.63	5.06	0.63	1.43			
$\bar{X}$	1.80	1.72	3.30	8.47	10.34	21.80	19.60	5.09	0.63	1.44			
R	0.03	0.03	0.09	0.09	0.14	0.09	0.10	0.17	0.02	0.06			

TEST EQUIPMENT:

ALL JUDGE

☒ OK ☐ NG

L ☐ CH-1062A ☒ HP-4284A

Q ☐ HM2801A ☐ HM9481 ☐ CJ2851

DCR ☒ Keysight 34420A

SRF ☐ HM9460

IDC ☐ CD1068+CD1320 ☒ HP-4284A+HP-42841A



深圳市岑科实业有限公司

SHEN ZHEN CENKER ENTERPRISE LTD.

TEL:0755-89808755 FAX:0755-27525256

PREPARED

覃玉云

CHECKED

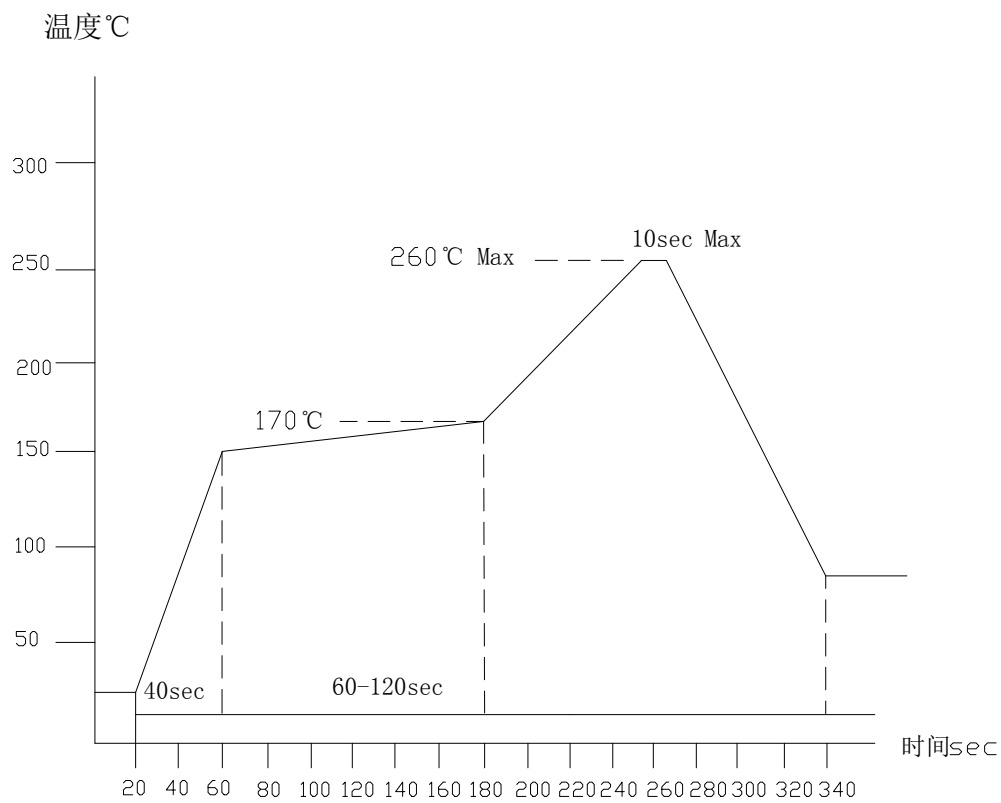
韦秀华

APPROVED

黄小东

CUSTOMER	8826	CUSTOMER No.	7687727182	PAGE
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)	DRAWING No.	SP-CK112-GXA03604	4/6
ISSUE DATE	2022/5/30	VERSION	B1	

7.Flow (wave) soldering curve



 深圳市岑科实业有限公司 SHEN ZHEN CENKER ENTERPRISE LTD. TEL:0755-89808755 FAX:0755-27525256	PREPARED	CHECKED	APPROVED
	覃玉云	韦秀华	黄小东

8.Radial Type Inductor's Reliability Testing Items

GENERAL CHARACTERISTICS

PAGE:5/6

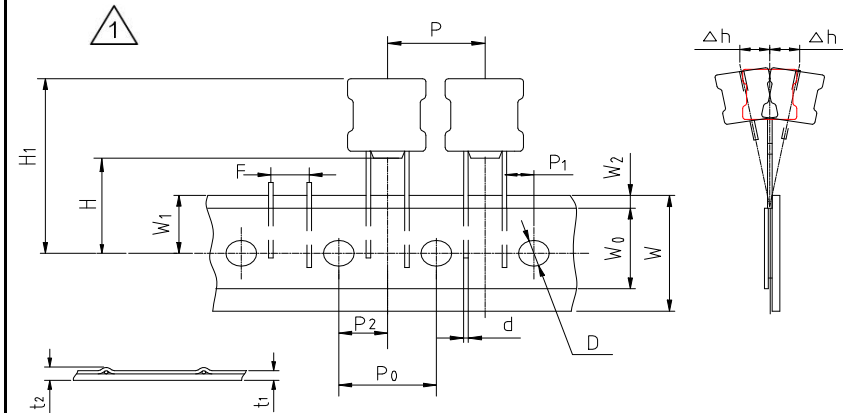
STANDARD TESTING CONDITIONS:

UNLESS OTHERWISE SPECIFIED, THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MEASUREMENTS AND TESTS ARE AS FOLLOWS:AMBIENT TEMPERATURE:15℃~35℃.RELATIVE HUMIDITY: 25%~85%.AIR PRESSURE: 86kPa~106kPa.

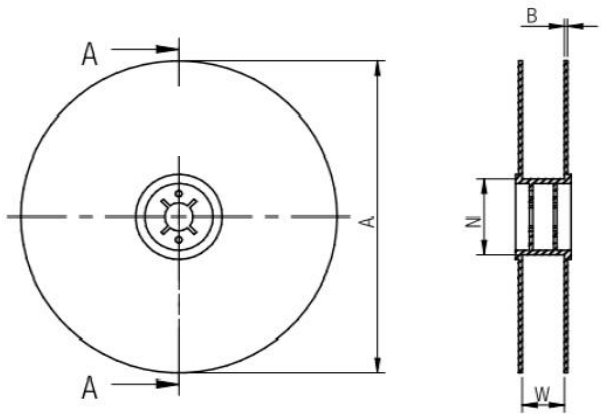
Version				B1
NO.	Items	Test Methods	Requirements	Quantity
1	High temperature storage test	Temperature :105℃±2℃ Duration Time:96±4 Hours	No significant abnormality in appearance.Deviation relative to initial value: L:Within ±5%	10
2	Low temperature storage test	Temperature : -25℃±2℃ Duration Time:96±4 Hours		10
3	Humidity test	Temperature :40℃±2℃ Humidity :90%~95%RH Duration Time :96±4 Hours		10
4	Thermal shock test	First -25±5℃ for 30±3 minutes, last 85±5℃ 30±3 minutes as 1 cycles. Go through 10 cycles.		10
5	Resistance to soldering heat test	Fix the samples on a 1.6mm thickness PCB, then dip the sample leads into a soldering bath of 260±5℃ up to the PCB for 5±1 seconds.		10
6	Temperature cycling test	Temperature:-10±3℃ for 30 minutes; Temperature:25℃ for 10 minutes; Temperature:70±3℃ for 30 minutes; Temperature:25℃ for 10 minutes; Total:5 cycles.		10
7	Vibration test	The frequency range from 10 to 55 Hz and return to 10 Hz (amplitude of 1.5 mm) shall be traversed in approximately 1 minute. This motion shall be applied of 2 hours in each 3 mutually perpendicular directions(total of 6 hours).		10
8	Lead terminal strength	A static pulling force of 5N in a direction parallel to the lead terminals for 30±5 seconds.	No terminal breakage or loosening.	10
9	Solder ability test	Immerse the terminal in flux for 5 seconds. Then dip the terminal into a soldering bath of 245±5℃ for 2.5±0.5 seconds.	At least 75% of terminal electrode is covered by new solder.	10

CUSTOMER	8826	CUSTOMER No.	7687727182	PAGE
CENKER P/N	CKPP0810-1.8mH/J-UTR(1UEW)	DRAWING No.	SP-CK112-GXA03604	6/6
ISSUE DATE	2022/5/30	VERSION	B1	

8、PACKING(mm):



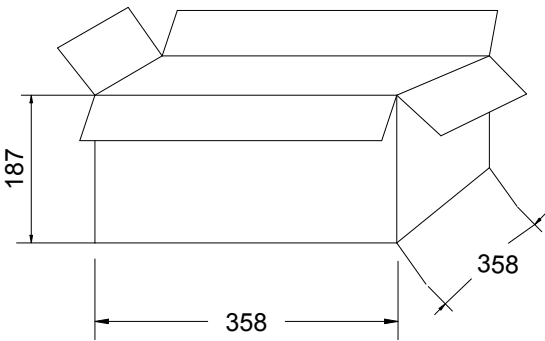
SYMBOL	DIMENSIONS(mm)	SYMBOL	DIMENSIONS(mm)
P0	12.7±0.3	H	18.5±0.5
P1	3.85±0.7	H1	31.0 Max
F	5.0±0.5	D	4.0 TYP
W	18.0±1.0	d	0.64 REF
W0	11.5 Min	t1	0.7±0.2
W1	9.0+0.75/-0.5	t2	2.0 max
W2	3.0 Max	Δh	0.8max



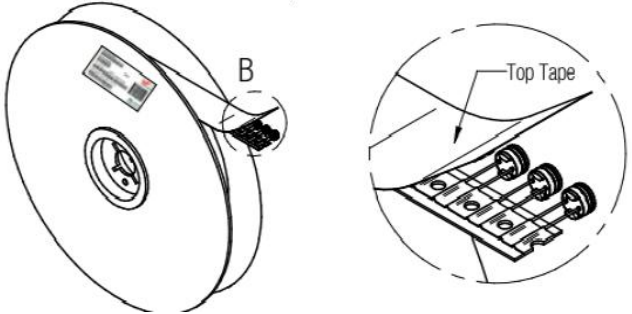
		A	B	N	W
tolerance		± 2,0	± 0,25	± 2,0	+ 1,5
Tape width	18 mm	340,00	6,00	83,00	45,50

5

Quantity:500Pcs/Reel
Inside the box (340*340*55mm),500Pcs
Outer box(358*358*187mm),1500Pcs
Note: Number of packages reference



Rollenspezifikation / Reel specification:



深圳市岑科实业有限公司
SHEN ZHEN CENKER ENTERPRISE LTD.
TEL:0755-89808755 FAX:0755-27525256

PREPARED	CHECKED	APPROVED
覃玉云	韦秀华	黄小东