

共模扼流器-DHCM 系列

特征/FEATURES

- 高感共模阻抗高，噪声抑性好，高感共模阻抗来抑制高频所产生的干扰
- 系列实现小尺寸和低高度产品。
- 100%无铅（Pd）&符合ROHS标准
- 调整讯号传输中所产生的共模噪音
- 工作温度：-40~+125℃（包括自身温度）
- 保存温度：20℃~25℃ / 湿度：65%

产品应用/APPLICATIONS

- 电脑及周边设备，适用于USB2.0, HDMI/显示器端口
- usb3.0 低压差模界面等讯号线路上

PRODUCT IDENTIFICATION

DHCM 2012 - 900 2P T S
 ① ② ③ ④ ⑤ ⑥

① Type	
DHCM	Winding Type Common Mode Choke Coil

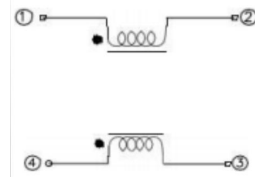
② External Dimensions (L×W×H) [mm]	
1210	1.2*1.0*0.8
2012	2.0*1.2*1.2
3416	3.4*1.6*2.0

③ Impedance	
Example	Nominal Value
900	90Ω

⑥ Hazardous Substance Free Products	
S	

④ Number of Lines	
2P	

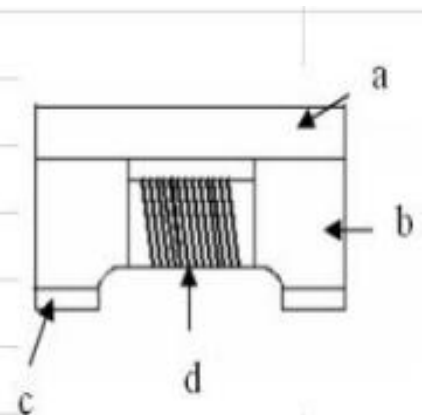
简图



⑤ Packing	
T	Tape Reel

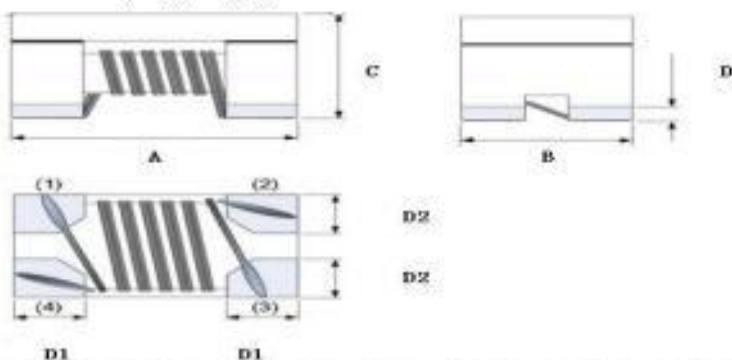
材料:

序号 No.	说明 说明	规格 材质
a.	盖板	铁素体
b.	Core 核心	铁氧体铁芯
c	端面	Ag/Ni/Sn 银/镍/锡
d	线材	漆包铜线



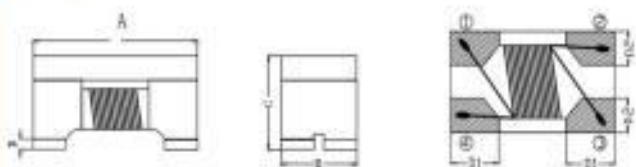
尺寸范围:

1、1210 共模电感:



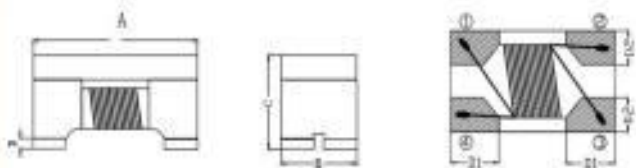
系列	A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	D2 (mm)
DHCM1210	1.2 ± 0.2	1.0 ± 0.2	0.8 ± 0.1	0.1	0.33	0.36

2、2012 共模电感:



系列	A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	D2 (mm)
DHCM2012	2.0 ± 0.2	1.25 ± 0.2	1.2 ± 0.2	0.15 ± 0.05	0.50 ± 0.1	0.51 ± 0.1

3、3416 共模电感:



系列	A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	D2 (mm)
DHCM3416	3.4 ± 0.2	1.6 ± 0.2	2.0 ± 0.2	0.12 ± 0.05	0.64 ± 0.1	0.66 ± 0.1

规格说明:

Specification USB2.0

Series	PartNumber	Common mode Impedance (Ω) at 100MHz	RDC Resistance (Ω) max	RatedCurrent IDC (mA)max	RatedVolt. (Vdc)max	Withstand Volt.(Vdc) max	IR ($M\Omega$) min
DHCM1210	DHCM1210-670M-2P-T	67 \pm 20%	0.25	300	50	125	10
	DHCM1210-121M-2P-T	120 \pm 20%	0.40	200	50	125	10
	DHCM1210-600M-2P-T	60 \pm 20%	0.30	400	20	125	10
	DHCM1210-900M-2P-T	90 \pm 20%	0.30	400	20	125	10
	DHCM1210-161M-2P-T	160 \pm 20%	0.40	260	20	125	10
DHCM2012	DHCM2012-670M-2P-T	67 \pm 20%	0.25	400	50	125	10
	DHCM2012-900M-2P-T	90 \pm 20%	0.35	330	50	125	10
	DHCM2012-121M-2P-T	120 \pm 20%	0.30	400	50	125	10
	DHCM2012-161M-2P-T	160 \pm 20%	0.35	350	50	125	10
	DHCM2012-181M-2P-T	180 \pm 20%	0.35	350	50	125	10
	DHCM2012-201M-2P-T	200 \pm 20%	0.35	330	50	125	10
	DHCM2012-221M-2P-T	220 \pm 20%	0.40	330	50	125	10
	DHCM2012-261M-2P-T	260 \pm 20%	0.40	300	50	125	10
	DHCM2012-301M-2P-T	300 \pm 20%	0.40	290	50	125	10
	DHCM2012-371M-2P-T	370 \pm 20%	0.45	300	50	125	10
	DHCM2012-601M-2P-T	600 \pm 20%	0.88	300	50	125	10
	DHCM2012-801M-2P-T	800 \pm 20%	0.88	300	50	125	10
	DHCM2012-901M-2P-T	900 \pm 20%	0.6	80	50	125	10
	DHCM2012-101M-2P-T	100 \pm 20%	0.3	500	50	125	10
	DHCM2012-751M-2P-T	750 \pm 20%	0.9	220	50	125	10
DHCM3416	DHCM3416-600M-2P-T	60 \pm 20%	1.7	200	50	125	10

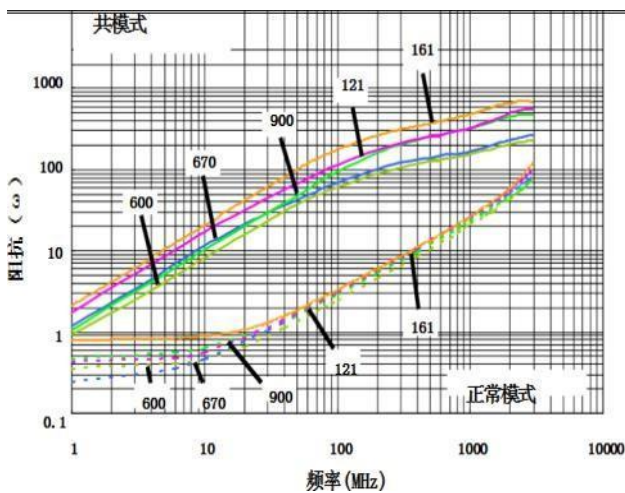
规格说明:

Specification USB3.0

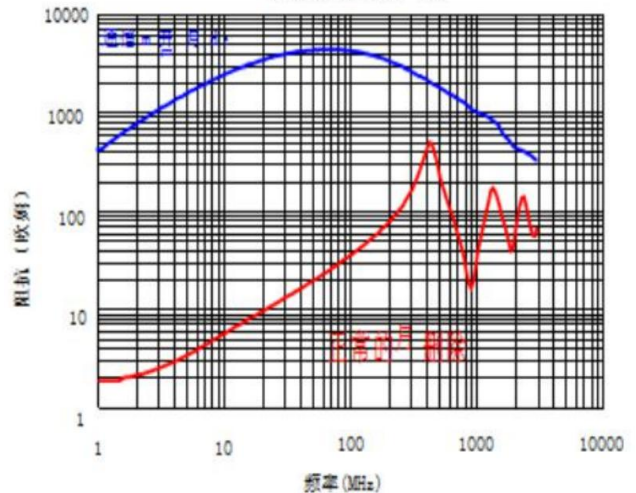
	PartNumber	Commonmode Impedance (Ω) at 100MHz	RDC Resistance (Ω) max	RatedCurrent IDC (mA)max	RatedVolt. (Vdc)max	Withstand Volt.(Vdc) max	IR ($M\Omega$) min
DHCM1210	DHCM1210-220Y-2P-T	22 \pm 25%	0.20	400	50	125	10
	DHCM1210-600Y-2P-T	60 \pm 25%	0.40	250	50	125	10
	DHCM1210-900Y-2P-T	90 \pm 25%	0.30	250	50	125	10
DHCM2012	DHCM2012-500Y-2P-T	50 \pm 25%	0.20	500	50	125	10
	DHCM2012-670Y-2P-T	67 \pm 25%	0.30	500	50	125	10
	DHCM2012-900Y-2P-T	90 \pm 25%	0.30	500	50	125	10
	DHCM2012-121Y-2P-T	120 \pm 25%	0.35	330	50	125	10
	DHCM2012-131Y-2P-T	130 \pm 25%	0.40	300	50	125	10
	DHCM2012-751Y-2P-T	750 \pm 25%	0.9	220	50	125	10
	DHCM2012-801Y-2P-T	800 \pm 25%	0.88	300	50	125	10
	DHCM2012-901Y-2P-T	900 \pm 25%	0.6	80	50	125	10
	DHCM2012-101Y-2P-T	100 \pm 25%	0.3	500	50	125	10

阻抗 V.S. 频率曲线:

1210 系列



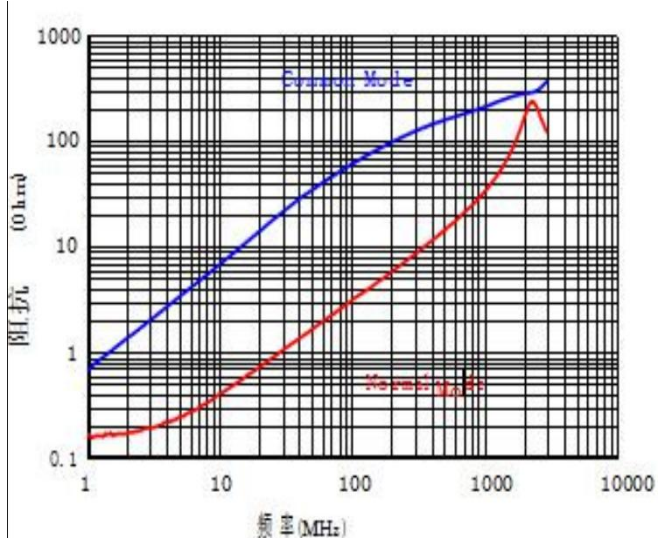
3416 系列



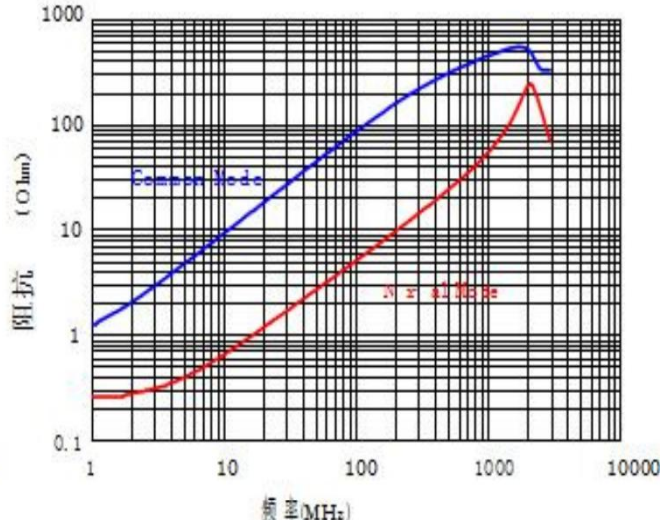
阻抗 V.S. 频率曲线:

2012 系列:

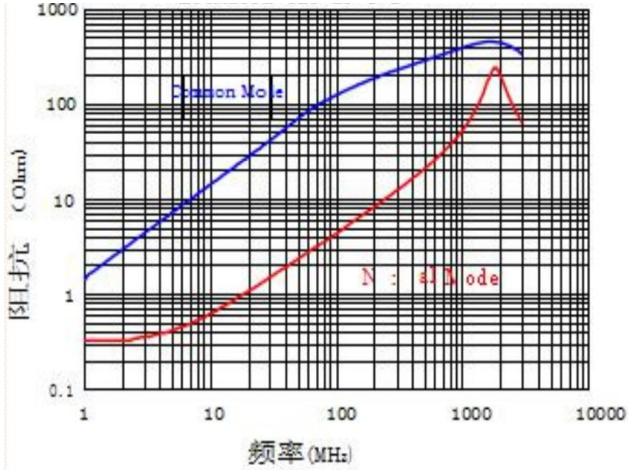
DHCM2012-670-2P-T-S



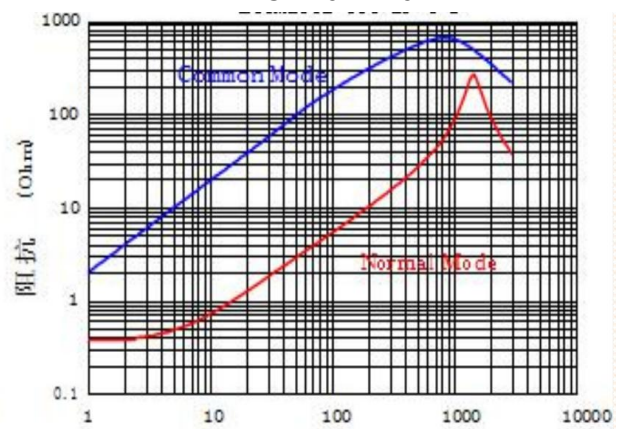
DHCM2012-900-2P-T-S



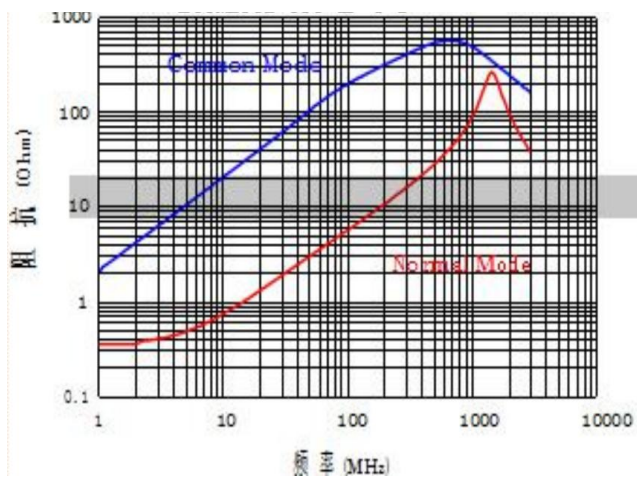
DHCM2012-121-2P-T-S



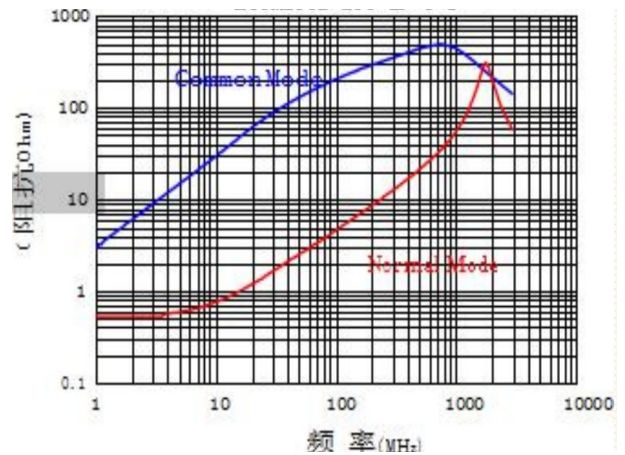
DHCM2012-161-2P-T-S



DHCM2012-181-2P-T-S



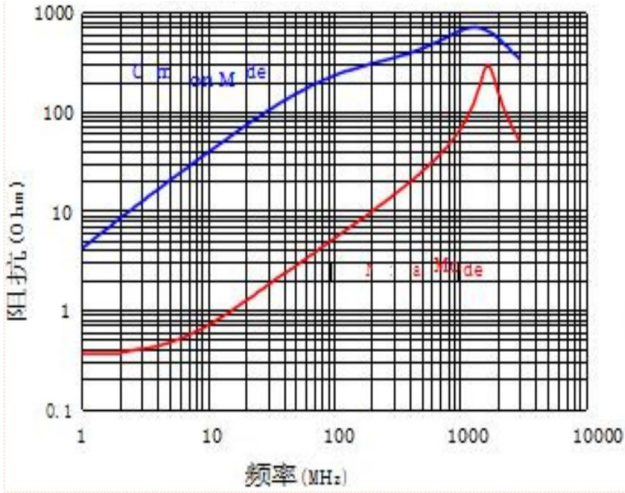
DHCM2012-201-2P-T-S



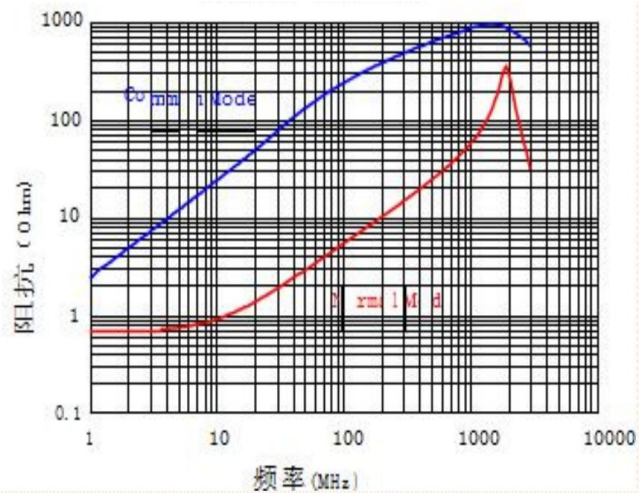
阻抗 V.S. 频率曲线:

2012 系列:

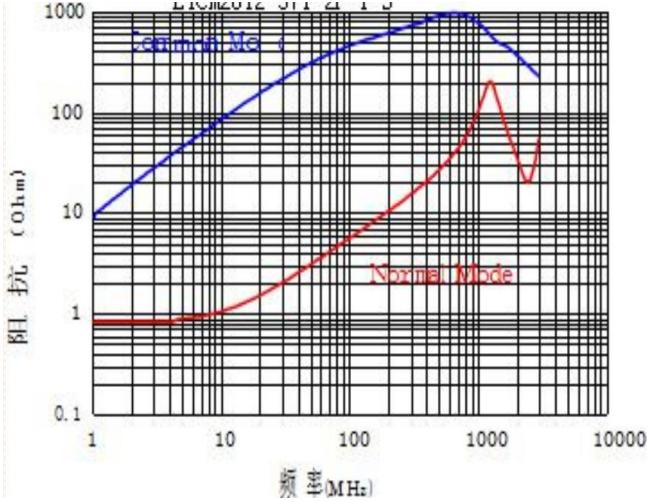
DHCM2012-221-2P-T-S



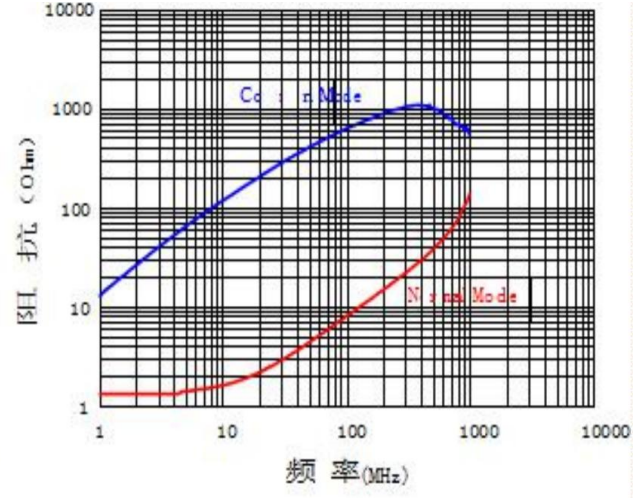
DHCM2012-261-2P-T-S



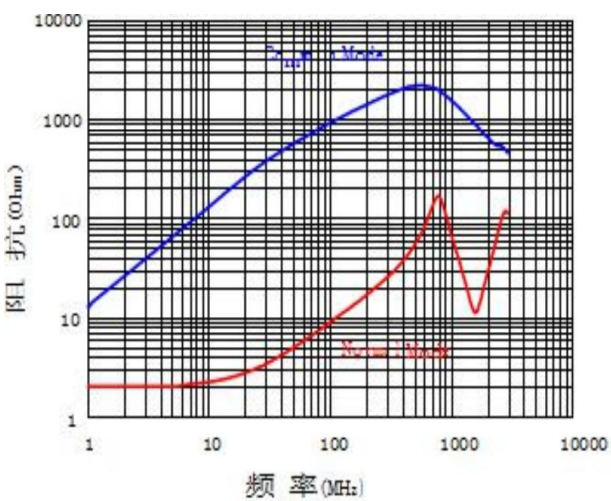
DHCM2012-371-2P-T-S



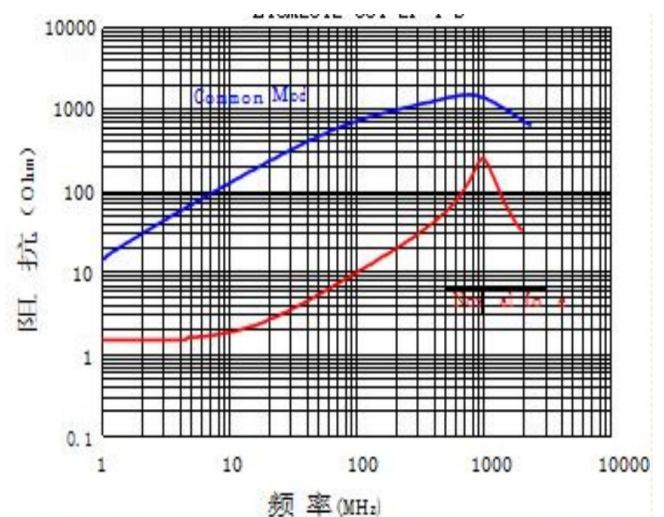
DHCM2012-601-2P-T-S



DHCM2012-301-2P-T-S



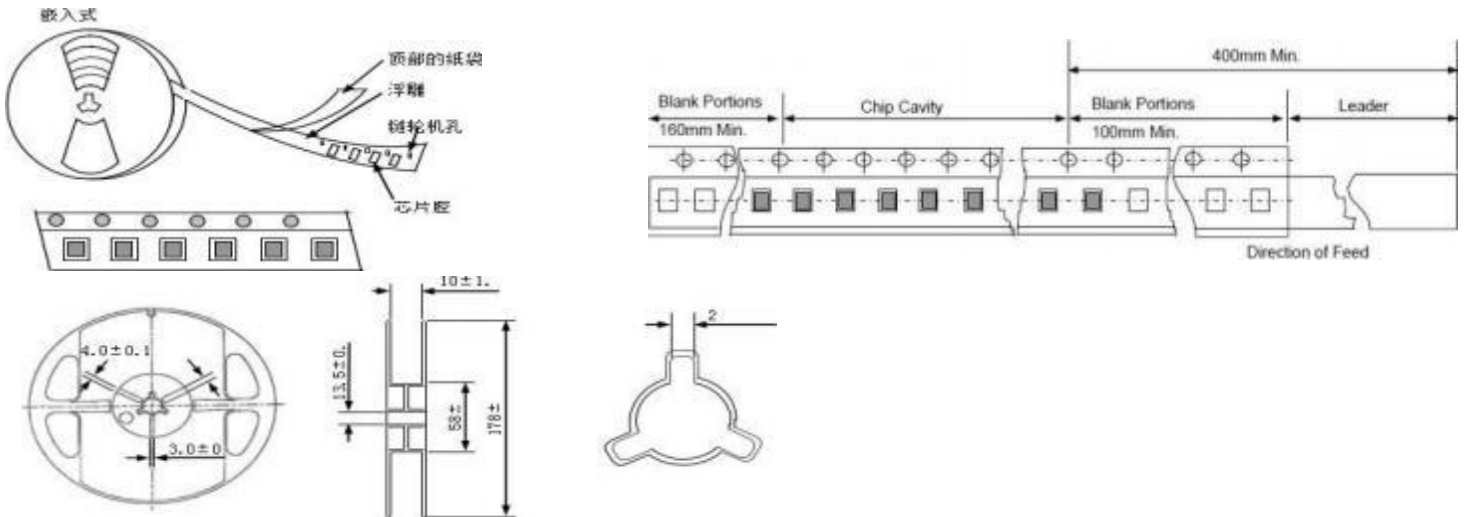
DHCM2012-801-2P-T-S



可靠性和实验条件:

长期	性能	实验条件
操作温度范围	-40~+125℃ (包括自身温度)	
储存条件	-40~+125℃ (阴凉干燥处)	
电气性能实验		
共模		安捷伦4287A+安捷伦16197A
DCR	参考标准电气特性表	安捷伦-4287A
I. R.		安捷伦-4239B
温升实验	额定电流 ΔT 40℃Max	1. 施加允许的直流电流
		2. 数字式表面温度计测温

包装方式



产品类型	1210/2012/3416
卷轴	嵌入式卷轴
产品包装数量	2K/卷