

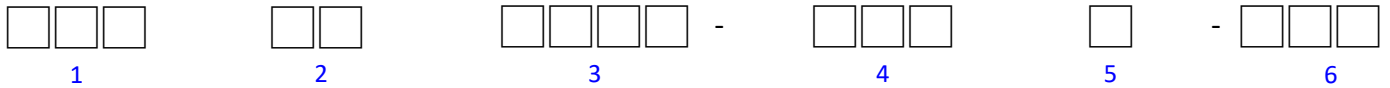
⊕ Feature

- Pair and triple wire coil for high stability and high balance.
- Available in tape & reel for automatic surface mounting.

⊕ Applications

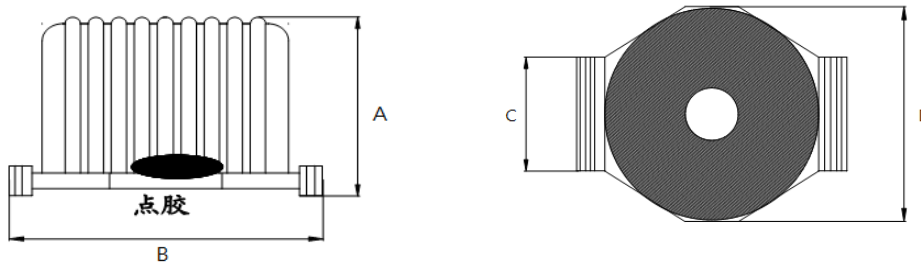
- Double Balance Mixers.
- Broad-Band Transformers.
- Impedance Transformers.
- Common Mode Filter, Balun Transformers.

⊕ Product Identification :



Series name	Dimensions(ODxIDxHt)		Internal code	Inductance		Tolerance		Material
DTC	80	20.2x12.6x12.7	A	1R0	1 μH	K	10%	18D=55ui
			:	100	10 μH	M	20%	26D=75ui
			P1= 1 set of wires	101	100 μH	N	30%	52D=75ui
			LB= Level+Base	102	1000 μH		Min	:

⊕ Shapes And Dimensions



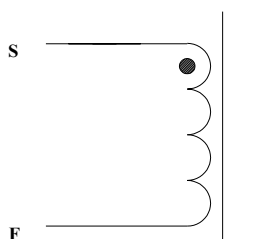
Part No.	Dimensions(mm)			
	A	B	C	D
DTC80P1LB-102N-52D	21.5	31.5	15.0	26.0
	Max.	Max.	Max.	Max.

⊕ Electrical Characteristics :

Part No.	Pin No	Turns (Ts)	Wire	L (mH) 1KHz/0.25V	DCR (mΩ)	Hi-Pot (-)
DTC80P1LB-102N-52D	S-F	110	2UEW-B 0.75	1		-
				±30%	Max.	

※Test Instrument : L (CH1062A), RDC(5300S), V ( CH19053)

⊕ Equivalent Circuit Schematic :



⊕ Material List :

No.	Supplier	Location	Material
1	SUNSHINE	Core	T80-52D
2	XIN LONG	Wire	2UEW-B 0.75*1*110Ts Ref
3	JINYANG FAN	TRIPLE WIRE	TEX-E
4	City eatto	Epoxy	E-3300
5	GAOXIN	Solder	Sn99.3 Cu0.7

**TEST DATA FOR PREPRODUCTION SAMPLES**

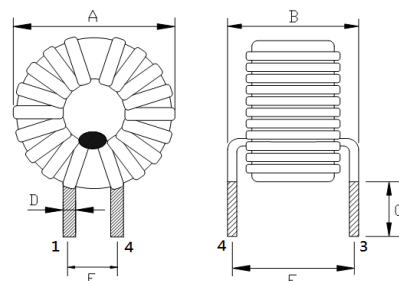
Customer		Test Date	2015-10-29		
RSiN Part No.	DTC80P1LB-102N-52D	Sample Quantity	10	PCS	
Lot No		Test Temp	25°C	Test Humidity	62%

MEAS Item	L(N1) (μH)	L(N2) (μH)	DCR (mΩ)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)		
SPEC	1	0	0	21.50	0.00	31.50			-	-	-
Upper	-	-	0	21.50	0.00	32.50	0.00	0.00	-	-	-
Lower	1	0	-	-	-	30.50	0.00	0.00	-	-	-
Tolerance	Min	Min	Max	Max	Max	1.00			-	-	-
Test Freq.	1KHz/0.25V									-	-
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
Average											
Max	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00
Range	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00
StDevP	#DIV/0!	#DIV/0!	#DIV/0!	#####	#####	#####			#####	#####	#####

Test Instrument

LCR CHROMA 3302A  
DCR TH283TLX+TH1901A

Configuration



Coil Spec :

Drawn by *davy*      Checked by *amanda*      Approved by *Vincent*