

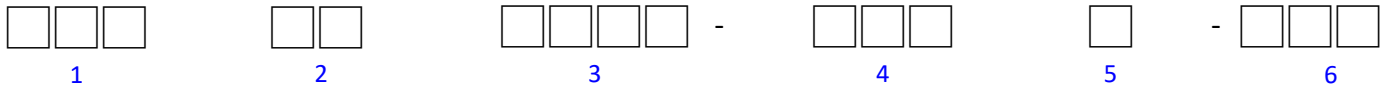
⊕ Feature

- 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 :

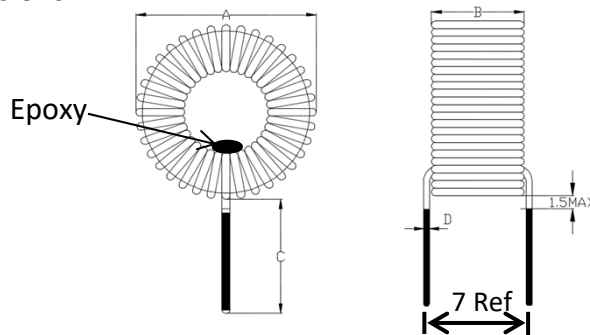


Series name	Dimensions(ODxIDxHt)		Internal code
DSC	044	11.89x5.89x4.72	L =Level LB=Level+Base S=Stand SB =Stand+Base E = PET Tube V = PVC Tube

Inductance		Tolerance	
1R0	1 $\mu$ H	K	10%
100	10 $\mu$ H	M	20%
101	100 $\mu$ H	N	30%
102	1000 $\mu$ H		Min

Material
060A=60ui
075A=75ui
125A=125ui
:

⊕ Shapes And Dimensions



※點膠固定

Part No.	Dimensions(mm)			
	A	B	C	D
DSC044P1S-470M-125A	12.79 $\pm 1.0$	6.06 $\pm 1.0$	8.00 $\pm 2.0$	0.55 $\pm 0.1$

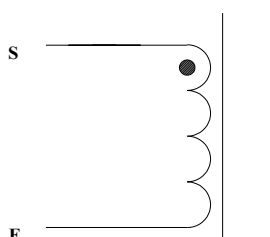
⊕ Electrical Characteristics :

Part No.	Pin No	Turns (Ts)	Wire	L ( $\mu$ H)	DCR	IDC	Hi-Pot
				1KHz/0.25V	(m $\Omega$ )	(A)	(S-F)
DSC044P1S-470M-125A	S-F	27(外圈)	2UEW-0.55mm*1P	47	90	7.5	AC 500V, 0.5 mA, 3 Sec
		Ref		$\pm 20\%$	Max.	Max.	

※Insulation Resistance : 10 M $\Omega$ (Min), DC 500V

※Test Instrument : L (CH1062A), RDC(5300S), HI-POT (UC8120), Insulation Resistance(UC5815)

⊕ Equivalent Circuit Schematic :



⊕ Material List :

No.	Supplier	Location	Material
1	DGET	Core	GS044-125A
2	TAI-I	Wire	2UEW-B 0.55*1P*27Ts Ref
3	錫達	Solder	Sn99.3 Cu0.7

**TEST DATA FOR PREPRODUCTION SAMPLES**

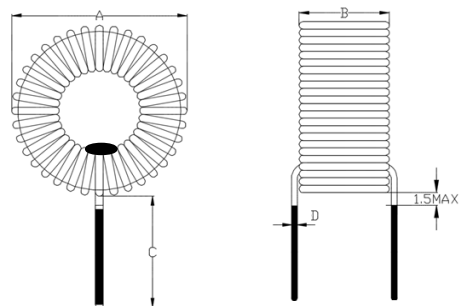
Customer		Test Date	2017-7-10		
RSiN Part No.	DSC044P1S-470M-125A	Sample Quantity	5	PCS	
Lot No		Test Temp	25°C	Test Humidity	62%

MEAS Item	L(N1) (μH)	L(N2) (μH)	DCR (mΩ)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	I. R (MΩ)	Hi-Pot
SPEC	47	0	90	12.79	6.06	8.00	0.55		-	10	-
Upper	56.40	-	90	13.79	7.06	10.00	0.65	0.00	-	-	-
Lower	39.17	0	-	11.79	5.06	6.00	0.45	0.00	-	10	-
Tolerance	20%	Min	Max	1.00	1.00	2.00	0.10		-	Min	-
Test Freq.	1KHz/0.25V									-	-
1	47.80		42.00	12.92	5.42	8.00	0.55			OK	OK
2	49.00		44.60	12.88	5.54	8.02	0.55			OK	OK
3	48.00		47.30	12.87	5.49	7.98	0.55			OK	OK
4	47.70		45.80	12.92	5.46	8.10	0.55			OK	OK
5	47.60		44.60	13.07	5.48	8.08	0.55			OK	OK
6											
7											
8											
9											
10											
Average	48.02		44.86	12.93	5.48	8.04	0.55				
Max	49.00	0.00	47.30	13.07	5.54	8.10	0.55		0.00	0.00	0.00
Min	47.60	0.00	42.00	12.87	5.42	7.98	0.55		0.00	0.00	0.00
Range	1.40	0.00	5.30	0.20	0.12	0.12	0.00		0.00	0.00	0.00
StDevP	0.51	#DIV/0!	1.74	0.07	0.04	0.05	0.00		#####	#####	#####

Test Instrument

LCR CH1062A  
DCR 5300S  
Hi-Pot UC8120  
I.R UC5815

Configuration



Coil Spec : 2UEW-B 0.55\*1P\*27Ts Ref

Drawn by

davy

Checked by

amanda

Approved by

Vincent