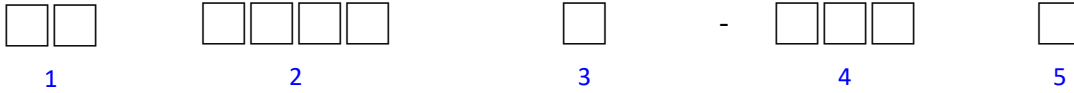


⊕ Features

Diversity includes RF, IFT, OSC, etc.
Common plastic tube package for some parts of RF, IFT, OCS, make it possible for automatic inserting process.

Applied in varieties of radio, cordless phone, radio transmitter and receiver

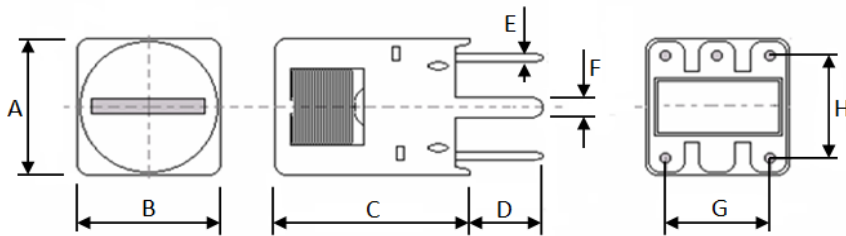
⊕ Product Identification :



Series name	Dimensions(LxWxH)		Internal code
DA	0810	8*8*10mm	A
			:
			D = Diagonal
			S = Standard

Inductance		Tolerance	
R13	13 nH	J	5%
R22	22 nH	K	10%
R68	68 nH	M	20%
1R0	1 μH	N	30%

⊕ Shapes And Dimensions



CAP CORE COLOR 磁帽顏色:
Black

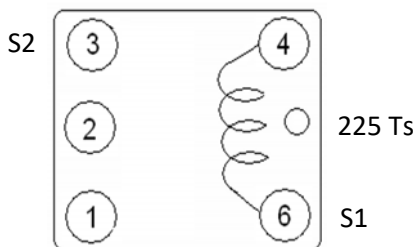
Part No.	Dimensions(mm)							
	A	B	C	D	E	F	G	H
DA0810S-202	8.00 Max	8.00 Max	10.00 Max	2.40 Min	0.50 ±0.1	1.00 ±0.2	4.50 ±0.2	4.50 ±0.2

⊕ Electrical Characteristics :

Part No.	Inductance (6-4) (mH)	Q (6-4) Unloaded	Test Frequency		Winding allocation		Inductance Range(mH)
			L	Q	Pins	Turns	
DA0810S-202	2 ± 6%	80.0 Min	252KHz	252KHz	6 - 4	225	1.5~2.5
					3 - 1	-	

- ※High-voltage Test : No apparent defect at AC 100V for one minute between coil & coil , coil & case.
- ※ Insulating Resistance : Over 100 mΩ(or 10MΩ)at DC 100V between coil & case (or coil & coil)
- ※Core Rotating Torque : 45 ~ 300 g.f.cm
- ※Vibration Test : Frequency (or L)deviation within ± 1 % (or 2%) , Q deviation within ± 20 % after vibration for 45 minute in each of two directions at 10 - 55 Hz with : 0.75 mm amplitude.
- ※Terminal Tensile Strength : The terminal should not be remarkably damaged by pulling of 0.5 Kg for 30 ± 5 sec.In the axis direction.
- ※Test Instrument : QBG-3D
- ※Test Temp : 25°C ※Test Humidity : 62%

⊕ Equivalent Circuit Schematic :



⊕ Material List :

No.	Location	Material
1	Core	Ferrite Ni-Zn Core
2	Wire	2UEW P180 0.08mm
3	Solder	Sn99.3 Cu0.7
4	Pin	0.5mm CP
5	Epoxy	black
6	Case	Cu, Zn (Yellow Copper)

- 1. Operating temperature -25°C ~ +125°C
- 2. Storage conditions -25°C ~ +125°C

TEST DATA FOR PREPRODUCTION SAMPLES

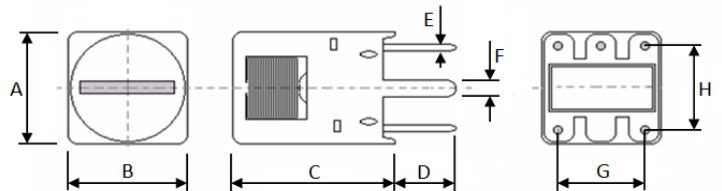
Customer		Test Date	2020-5-25	
RSiN Part No.	DA0810S-202	Sample Quantity	10	PCS
Lot No		Test Temp	25°C	Test Humidity 62%

MEAS Item	L (0A) (mH)			Q	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)		
SPEC	2.00			80.00	8.00	8.00	10.00			-	-
Upper	2.12	-	-	-	8.00	8.00	10.00	-	-	-	-
Lower	1.88	-	-	80.00	-	-	-	-	-	-	-
Tolerance	6%			Min	Max	Max	Max				
Test Freq.	252KHz			252KHz						-	-
1	2.04			92.2	7.73	7.76	9.76				
2	2.02			89.6	7.74	7.74	9.75				
3	2.01			92.1	7.73	7.75	9.74				
4	1.96			90.3	7.75	7.74	9.75				
5	2.05			91.1	7.73	7.73	9.75				
6											
7											
8											
9											
10											
Average	2.02			91.060	7.74	7.74	9.75				
Max	2.05			92.200	7.75	7.76	9.76			0.00	0.00
Min	1.96			89.600	7.73	7.73	9.74			0.00	0.00
Range	0.09			2.600	0.02	0.03	0.02			0.00	0.00
StDevP	0.03			1.009	0.01	0.01	0.01			#####	#####

Test Instrument

LCR QBG-3D
DCR -
R.Currentt -

Configuration



Coil Spec : 0.08mm (450 Ts : 45 Ts)

Drawn by

davy

Checked by

amanda

Approved by

vincent