

1. Description

1-1. Part number: DL3



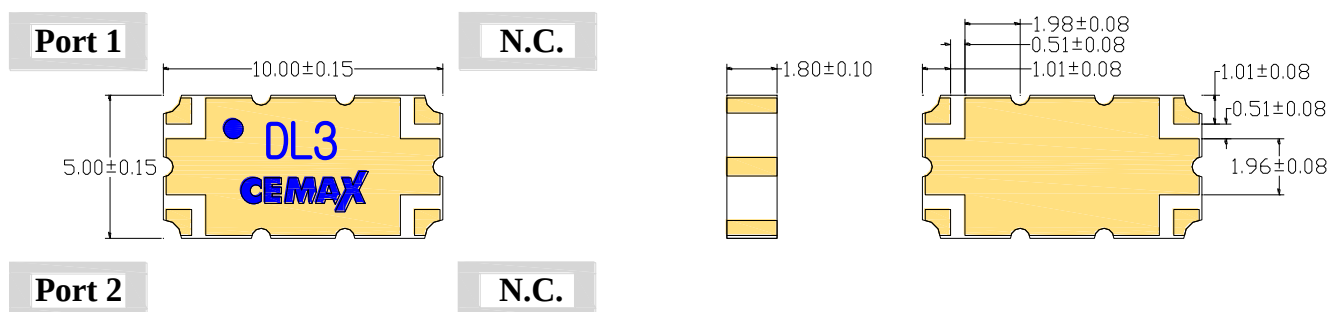
1-2. Features

- Surface mount type
- **RoHS** Compliance (Pb = Free)
- LTCC base (Er = 6)
- Low loss Silver (Ag) Conductor
- **Gold plated**

2. Electrical Specification

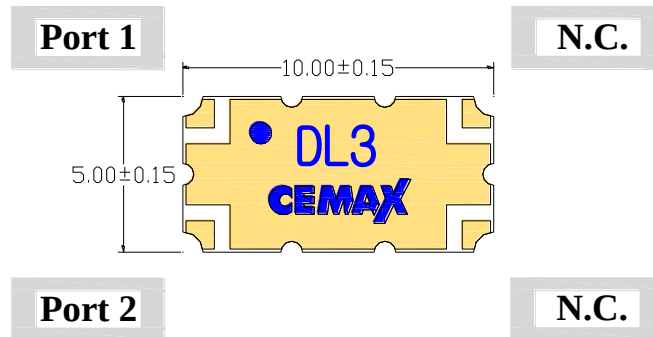
Freq. (MHz)	Return Loss Min (dB)	Insertion Loss Max (dB)	Group Delay (nS)	Power Capacity (Watts)
300-700	20	2.3	3.00± 0.20	80
700-2200	15	4.3	3.05± 0.25	
2200-2700	15	5.2	3.20± 0.25	

3. Mechanical Specification



[Unit = mm]

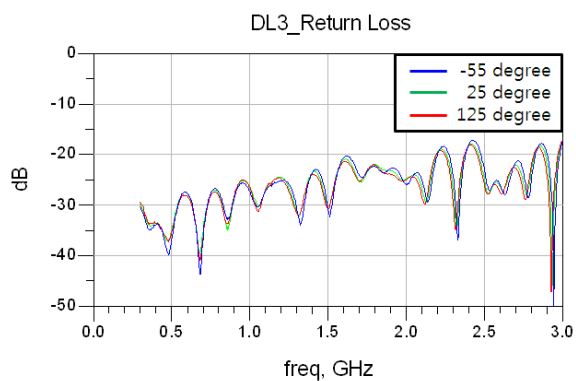
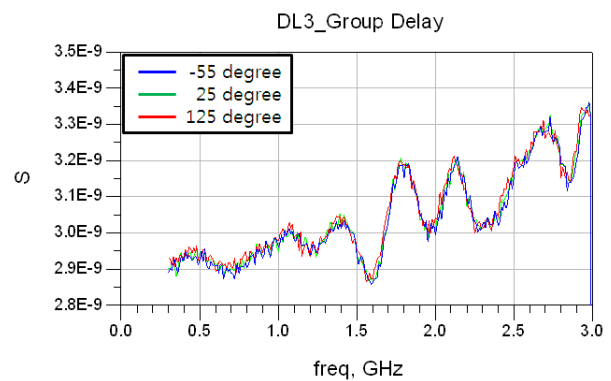
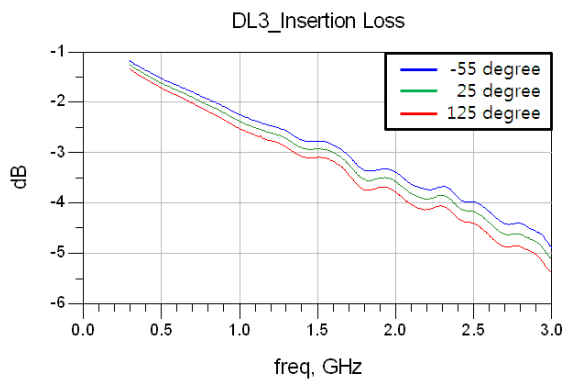
4. Port Configuration



Configuration	Port 1	Port 2	N.C.	N.C.
Case 1.	Input	Output	N.C.	N.C.
Case 2.	Output	Input	N.C.	N.C.

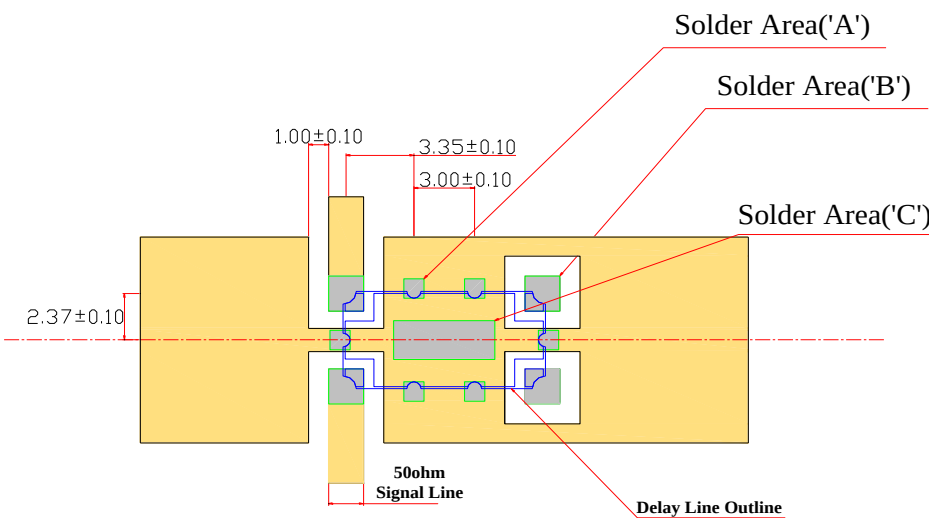
* Once Port 1 is determined, the other three ports are defined automatically.

5. Typical data over temperature (−55, +25 and +125°C)



7. Recommended PCB layout and Solder mask pattern

PROJECTION	No.	DATE	REVISION & DESCRIPTION	SIGNATURE	
				REVIEWED	CHECKED
 	1	2013.07.05	New - Drawing		
	2				
	3				

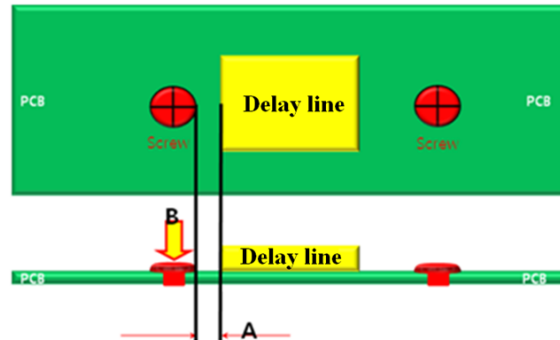


NOTE.

1. Test Solder Cream : SAC-305 (Alpa Metal)
2. Lead Free Solder Alloy : Sn/Ag/Cu Ratio Of 96.5/3.0/0.5
3. Solder Area ('A') Dimension : 1.0 mm by 1.0 mm
4. Solder Area ('B') Dimension : 1.72 mm by 1.72 mm
5. Solder Area ('C') Dimension : 5.0 mm by 2.0 mm

No.	DESCRIPTION		UNIT	TOTAL	PERUNIT	TOTAL
			QUANTITY			
TITLE	DL3 - Recommended Solder Quantity &Area	RN2 DWG No.	13-0705-01	SCALE		
				SIZE	A4	DIMENSION mm

I. Be careful when Screw



Screw Drive Force B (kgf)	Recommended Distance (Btw Screw Head and Device edge) A (mm)
5	3
10	4
15	8

II. Be careful when SMD or Assembly

- A.** LTCC delay line require appropriate measures to avoid its base PCB from warping.
- B.** PCB excessively warping over defined standard may result in crack of LTCC delay line potentially.

