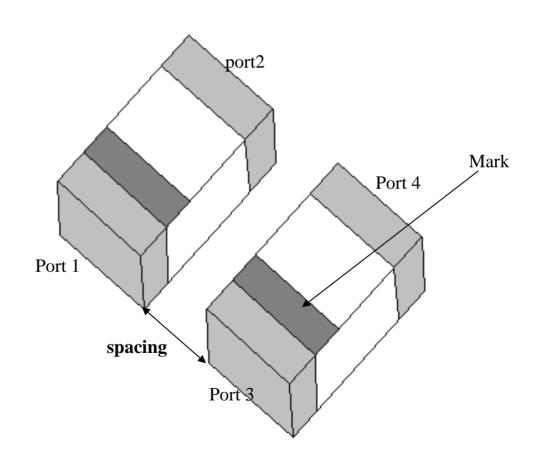


# Simulation results of mutual coupling for inductors with:

- · Half-marking (L-05B)
- Full-marking (L-07C)
- · No-marking (L-14C)

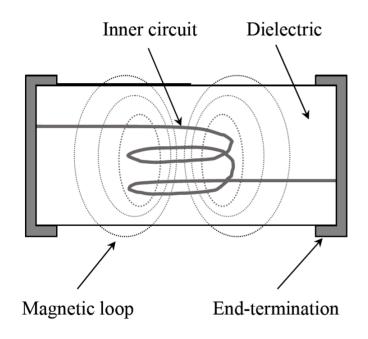


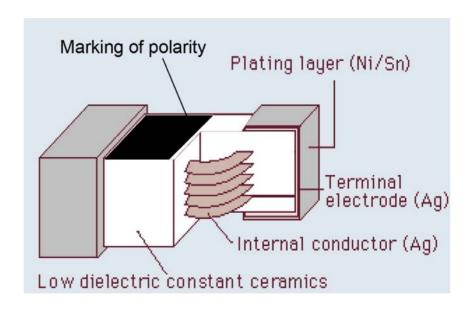
#### (1) Half-marked inductors L-05B Series





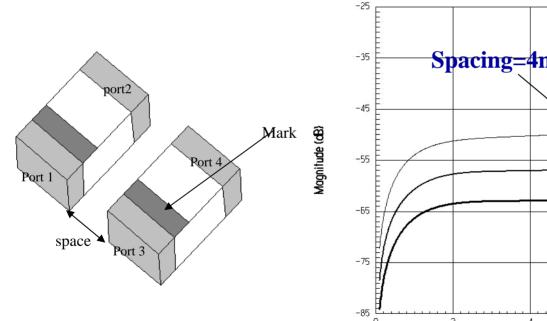
## L-05B Series (0201) Half Marked Inductor structure

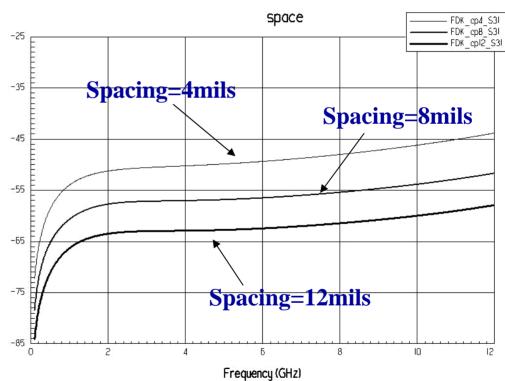






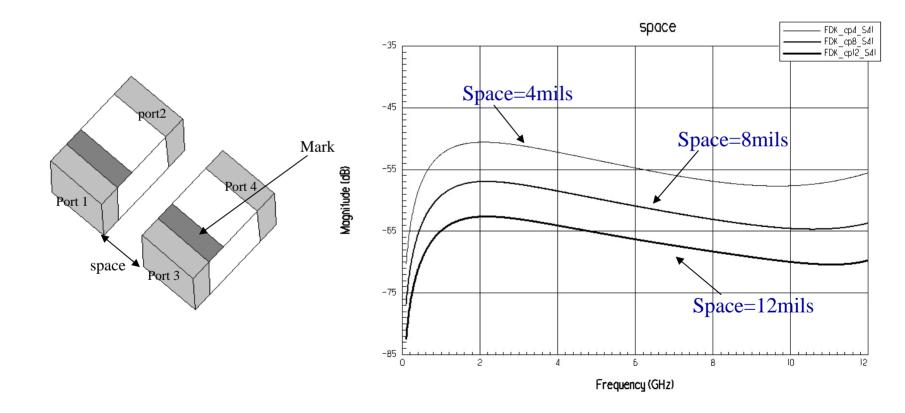
## Mutual coupling(531) with different spacing schemes





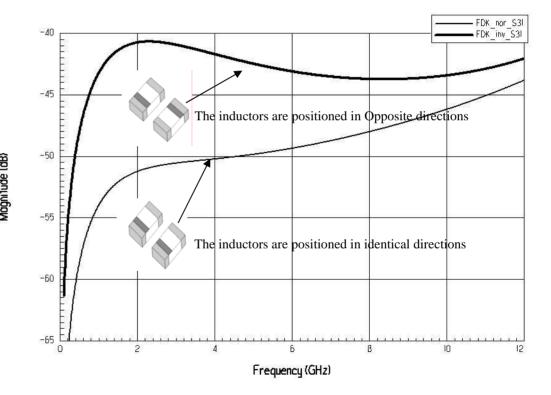


### Mutual coupling(S41) for different spacing schemes



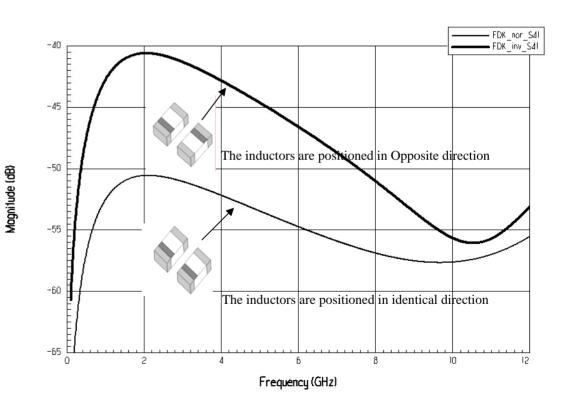


#### Mutual coupling(531) for different orientations



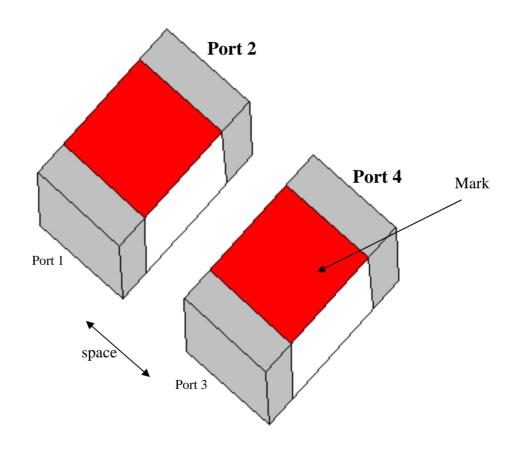


#### Mutual coupling(541) for different orientations



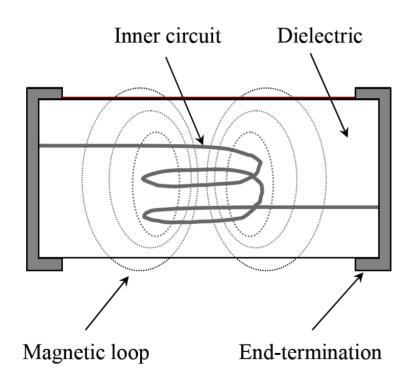


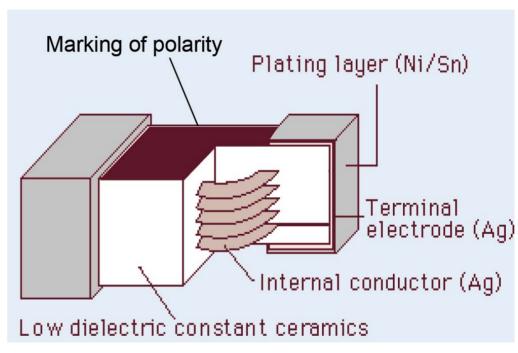
#### (2) Fully Marked inductors L-07C Series





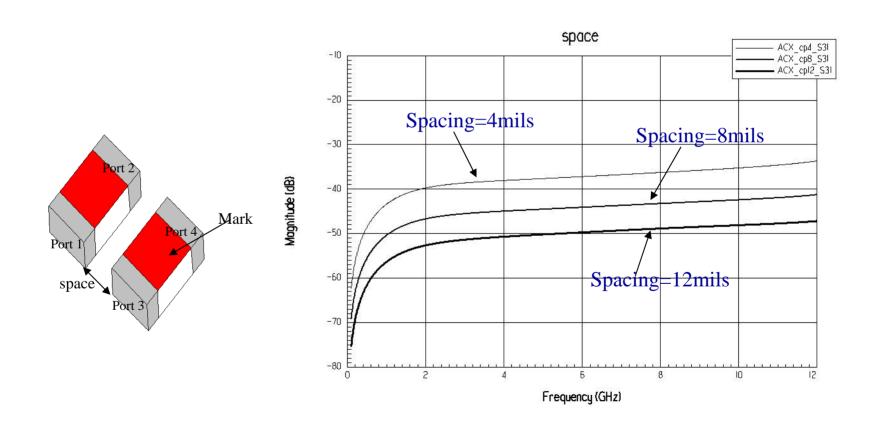
### L-07C Series (0402) Fully Marked Inductor structure





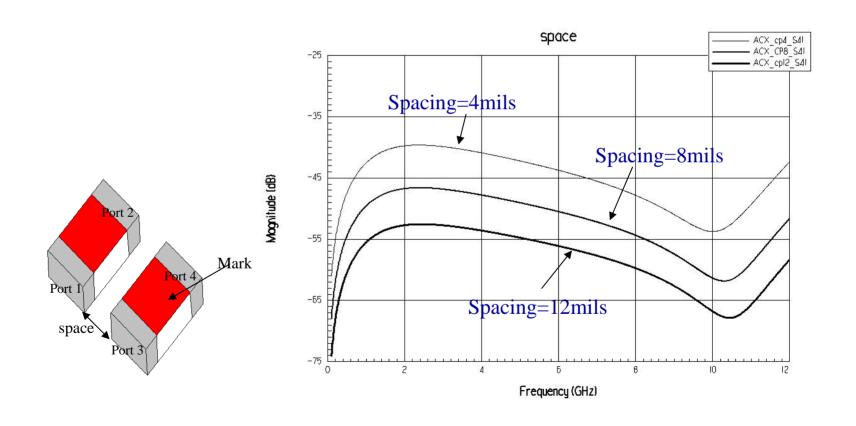


## Mutual coupling(531) for different spacing schemes



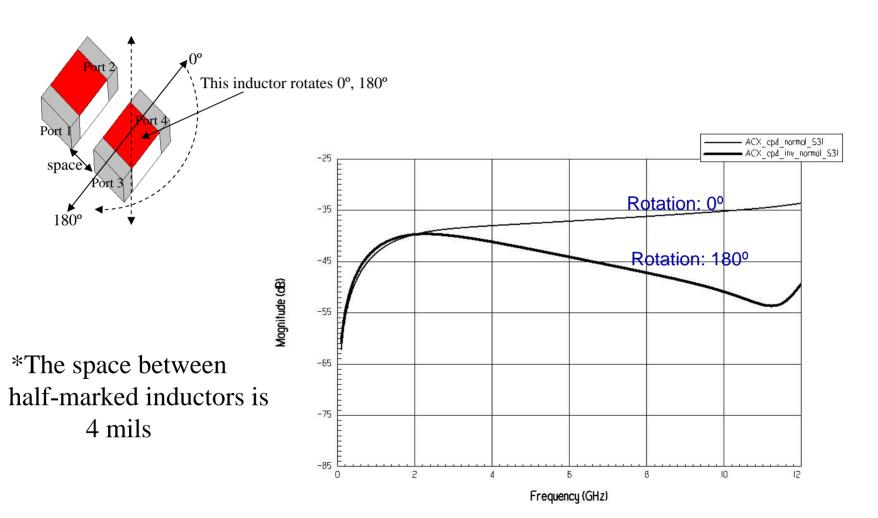


### Mutual coupling(S41) for different spacing schemes



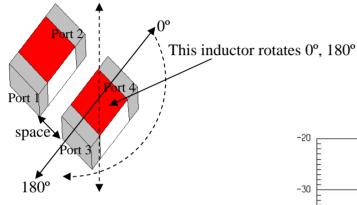


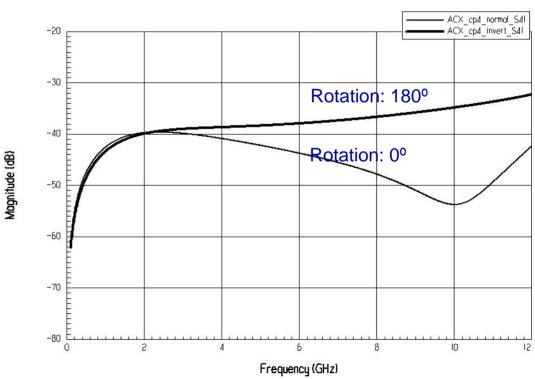
#### Mutual coupling(531) for different orientations





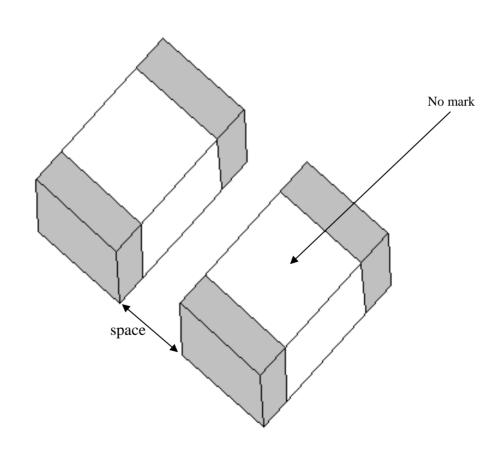
#### Mutual coupling(541) for different orientations





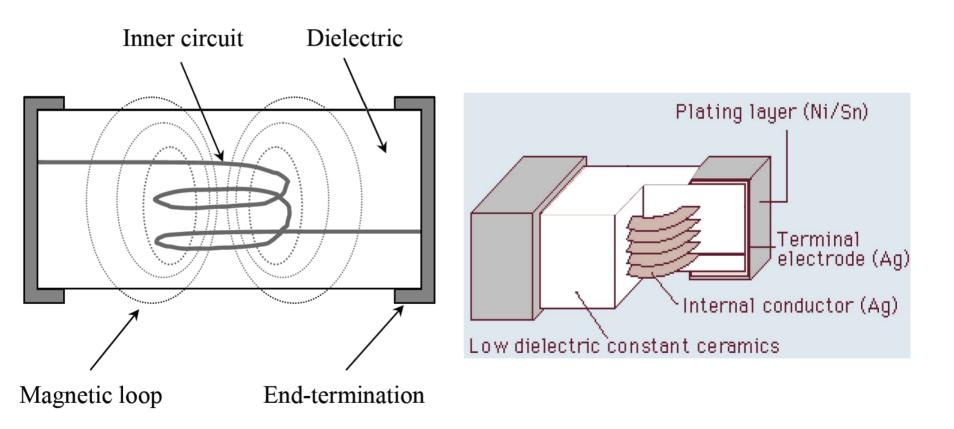


## (3) L-14C Series (0603) No-Marking Inductor structure



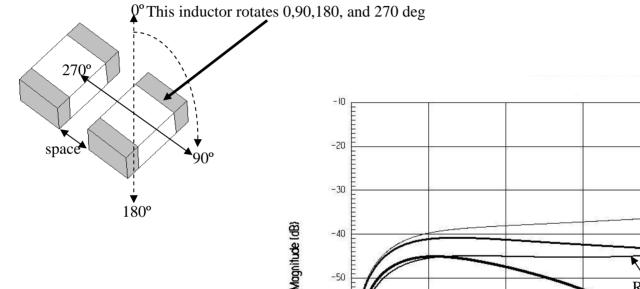


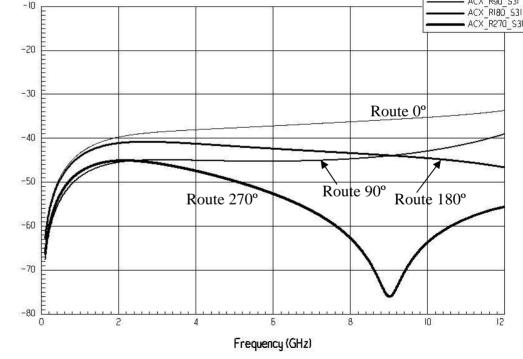
### L-14C Series (0603) No Marking Inductor structure





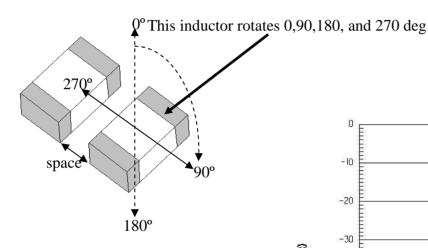
#### Mutual coupling(531) for different orientations

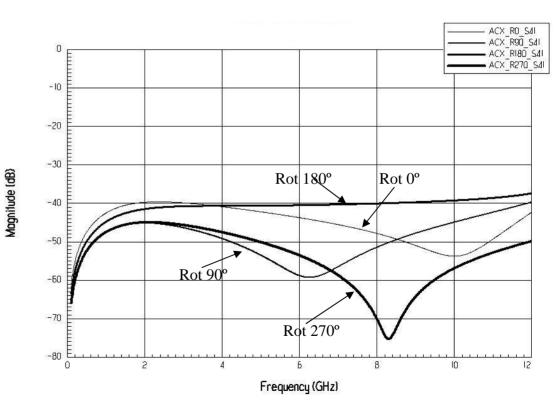






#### Mutual coupling(541) for different orientations







### Summary:

- ☐ The Mutual coupling of the half-marked inductors, with smaller inductor loop, is lower than that of full-marked and nomarking inductors.
- ☐ Mutual coupling of half-marking inductors is higher when they're placed at opposite orientations.