

Variable RF Inductor
1226

- ◆ Operated frequency: 900 MHz
- ◆ Q value: 68 (no core) , 58(full core)
- ◆ Inductance tuning range: 21 to 24(nH)
- ◆ Core material: Aluminum
- ◆ SRF: 1830 MHz
- ◆ Operating temperature: -40 ~+125
- ◆ Rotation times(min): 100


Features

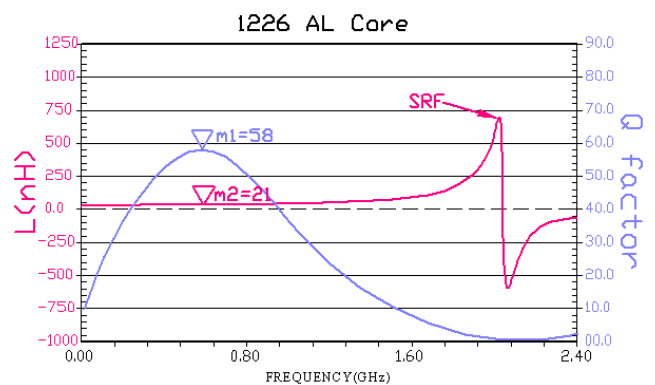
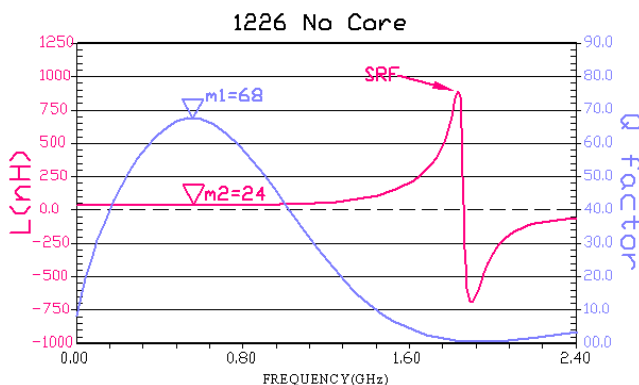
- SMD package, able to be mounted or soldered on the PCB.
- High temperature resistant, operating temperature: -40 ~+125 .
- Keep excellent & stable performance at high temperature.
- Operated in RF frequency band.
- High Q value.
- Good air tightness to realize high Q value.
- Small size: 3 × 3 × 3(mm).
- Easy to adjust.
- Core material: Aluminum or Ferrite.
- Termination: RoHS compliant tin over copper.

Applications

- RF Impedance Matching
- Tunable Antennas
- Tuning Resonant Circuit
- Tunable Filter
- Phase Shifter
- Phased Array Radar
- MRI(Magnetic Resonance Imaging)
- NMR(Nuclear Magnetic Resonance)
- Crystal Oscillator
- Broadband Antenna

Characteristic

Typical Q and L vs frequency

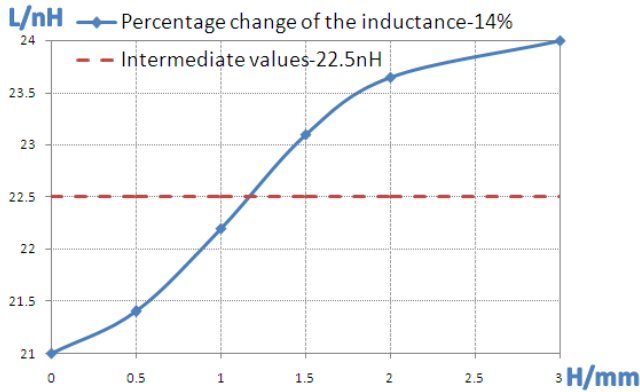


Part No.	No core		At L max		At L min		Freq (MHz)	No core SRF min(MHz)	Irms (A)
	L(nH)	Q min	L(nH)	Q min	L(nH)	Q min			
1226	24	68	24	68	21	58	900	1830	1.5

Notes:

1. Operating frequency is based on the half of the maximum Q value.

Inductance VS The height of the core rotation

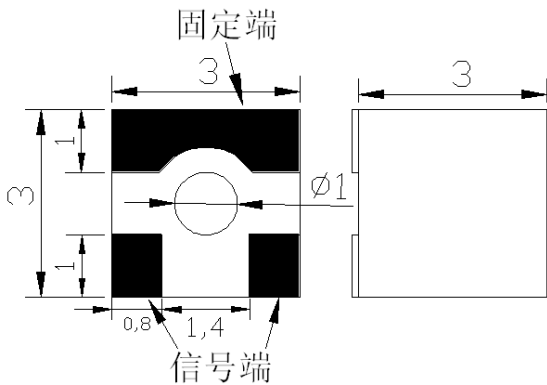


Notes

1. H represents the height of Al core rotation, H max=3mm.
2. Inductance changes around the intermediate value.

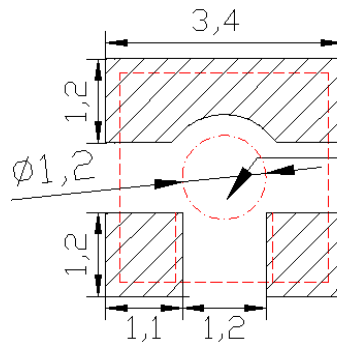
Package Outlines

All dimensions shown in mm unless stated otherwise



Recommended Layout

All dimensions shown in mm unless stated otherwise



No circuit allowed within the circular area

Tape and Reel Drawing

