

SMD Transponder Coil

Fixed Coil for Surface Mounting

STC5530-592H-30NC

Features

- Ferrite core



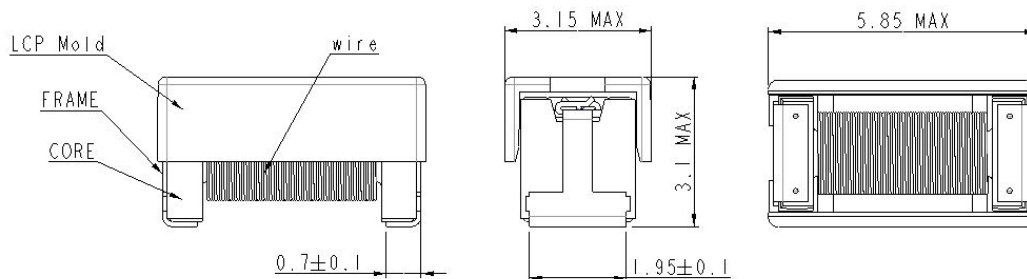
Features

- Qualified to AEC-Q200
- Operating temperature -50 ~ +125°C (Including self temperature)
- Suitable for lead-free reflow soldering

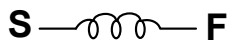
Applications

- TPMS (Tire Pressure Monitoring Systems)

Dimensions (Unit:mm)

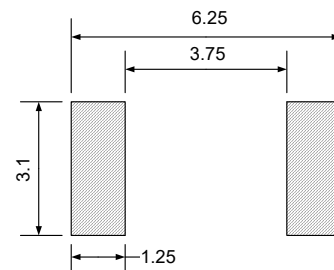


Schematic



Winding Connection

Recommended Land Pattern(Unit:mm)



Electrical Characteristics

No	Item	Condition	Specification			Unit	Remarks
			Min	Nom	Max		
1	Inductance	@ 25°C	5.71	5.89	6.07	mH	HP-4284A at 125kHz, 50mVrms
		@ -40°C ~ 125°C	5.60	5.89	6.18	mH	
2	Quality Factor	@ 25°C	35	40	45	-	
		@ -40°C ~ 125°C	30	40	50	-	
3	DC Resistance	@ -40°C, 25°C, @ 125°C	-	-	70	Ω	Milli-Ohm Meter ABM3245
4	Sensitivity	@ 125 kHz @ 25°C	21	23	25	mV/μT	Multimeter 34401A
5	SRF	@ 25°C	330	-	-	kHz	Network Analyzer 8753D

※Test Equipment

*Inductance : 4284A (125kHz, 500mV)

*DCR Meter : 3245 (20mΩ~2MΩ)

*Sensitivity : 34401A

*SRF : 8753D

*Specifications subject to change without notice. Please check our website for latest information.

Revised 15/04/26