

SMD Transponder Coil

Fixed Coil for Surface Mounting

STC3225-141J-22NC

Features

- Ferrite core



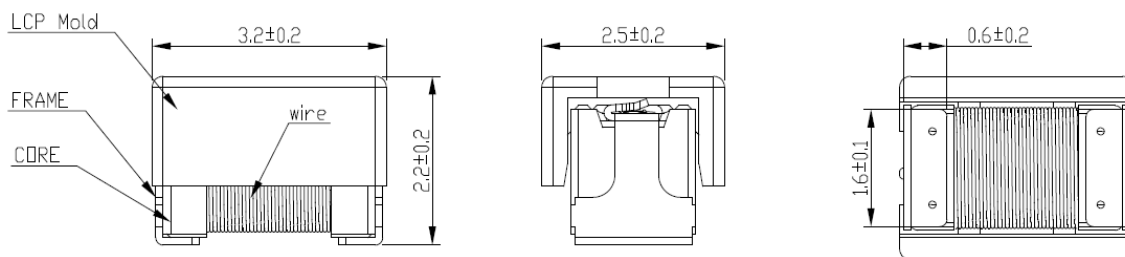
Features

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

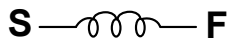
Applications

- TPMS (Tire Pressure Monitoring Systems)

Dimensions (Unit:mm)

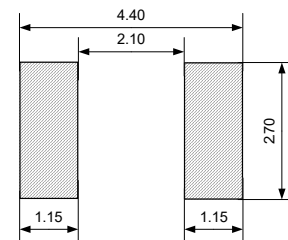


Schematic



Winding Connection

Recommended Land Pattern(Unit:mm)



Electrical Characteristics

No	Item	Condition	Specification			Unit	Remarks
			Min	Nom	Max		
1	Inductance	@ 25°C	1.33	1.40	1.47	mH	HP-4284A at 125kHz, 500mVrms
2	Quality Factor	@ 25°C	15.0	-	-	-	
3	DC Resistance	@ -40°C, 25°C	-	-	42.0	Ω	Milli-Ohm Meter ABM3245
4	Sensitivity	@ 125 kHz @ 25°C	-	3.70	-	mV/μT	Multimeter 34401A
5	SRF	@ 25°C	2.00	-	-	MHz	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.

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