



NEW!

RFID Transponder Coil – FA2602-AL



The FA2602-AL is Coilcraft's best performing transponder coil designed for RFID applications at 5.5 kHz. It offers excellent sensitivity and SRF values.

The coil is wound on a plastic base, providing great durability and allowing this part to withstand harsh mechanical shock. The uniquely shaped termination provides excellent board adhesion.

In addition to our standard models, Coilcraft can custom design transponder coils to operate at other frequencies.

| Part number ¹ | Inductance ² at 5.5 kHz ±5% (mH) | Q _{typ} ² | Sensitivity ³ (mV/A/M) | DCR max ⁴ (Ohms) | SRF typ ⁵ (MHz) |
|--------------------------|---|-------------------------------|--------------------------------------|--------------------------------|-------------------------------|
| FA2602-AL_ | 39.0 | 3.1 | 6.91 | 528 | 0.658 |

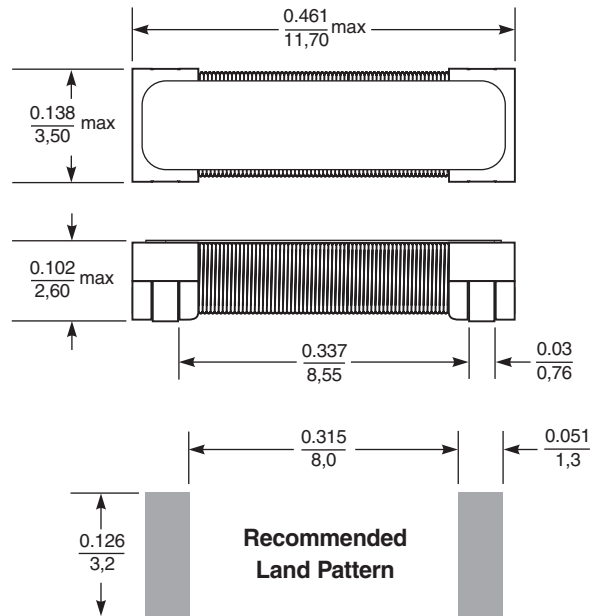
1. When ordering, please specify **packaging** code:

FA2602-AL D

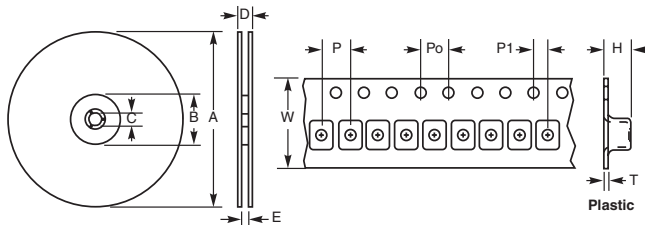
Packaging: D = 13" machine-ready reel. EIA-481 embossed plastic tape (2500 parts per full reel).

B = Less than full reel. In tape, but not machine ready.
To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance and Q measured using Agilent/HP 4192A impedance analyzer at 5.5 kHz. For recommended test procedures, contact Coilcraft.
- Sensitivity measured in accordance with Coilcraft application note "Measuring Sensitivity of Transponder Coils."
- DCR measured on micro-ohmmeter.
- SRF measured using Agilent/HP 8753D network analyzer.
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.



Terminations: Gold over nickel over phos bronze



| Part | Parts/ reel | A | B | C | D | E | W | P | P ₀ | P ₁ | H | T |
|-----------|----------------|-----|-----|----|------|------|----|---|----------------|----------------|------|------|
| FA2602-AL | 2500 | 330 | 100 | 13 | 30,4 | 24,4 | 24 | 8 | 4 | 2 | 2,75 | 0,35 |

Coilcraft[®]

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

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