

RKC2 series

3.5mm x 2.7mm Microminiature SMT Top Actuated Tact

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Agenda

- Market needs
- Product Overview : Features and Benefits
- Market Overview & Applications
- Product Positioning

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Market Needs

- With global automotive and keyfob business recovering from year 2020, the global demand is progressing at a CAGR of over 3%. Rising demand of automotive electronics is one of the major factors driving the market. However, the current smart key fobs are expensive in the market and costly. To replace which restrains the market growth, C&K as one of biggest global switch solution providers, plans to add the RKC2 series to our portfolio to match the market required product performance with a proper price .





RKC2 Product Overview and Features



3.5mm x 2.7mm Microminiature SMT Top Actuated Tact

- Microminiature and Compact size of SMT version Tactile
- Multi- options of actuation forces and long life cycle in automotive, high end consumer and medical application

FEATURES

- RKC2 with 1.7 mm height 3.5 x 2.7 mm size
- SMT termination
- Hard actuator
- Multi-Options on actuation force with 180gf, 250gf, 350gf, 500gf options
- Long life cycles of 100k to 200k

BENEFITS

- Small and Compact size, low profile, giving designers the choice for the interface design
- Fully integrated into reflow soldering standard processes, meaning time & costs are reduced for the end equipment manufacturer
- Can be used without the additional cost and integration difficulties associated with using an additional interface button
- Offering only the most common versions used by the market allows C&K to keep tight controls on design.
- Reliability for your application, meaning less chance of costly repair or rework charges

RKC2 Series - Specification

Specification	RKC2 Series 
Circuit configurations	SPST, momentary contact function
Rating	20 mA @ 12 V DC
Electrical life	100,000 to 200,000 cycles
Operating Temperature	-40˚C to 85˚C
Operating force	180gf, 250gf, 350gf, and 500gf options
Travel	0.15mm
Product Height	1.7 mm product height

RKC2 Series Applications

- **Target markets**





- ✓ Automotive Keyfob
- ✓ Medical devices
- ✓ High end consumer



Typical Applications

- Keyfob
- Health & medical devices
- High End Consumer

