RF 15 R, gold, low, spot illumination 1 LED, 2.9 ± 0.6 N, lamp green, 1 NO



fields of application

- Measurement-control-regulation
- Mechanical and system engineering
- Automotive
- Electro-medical

special features

- Gold contacts, reliable switching with low currents
- Optional spot illumination
- Round plunger / key switch shape
- Round cut-outs in the front panel
- Narrow key grid of 15.24 mm possible
- Overall height: 9.7 mm or 12.5 mm
- Terminal technology: THT

CE

description

The RF 15 R gold tactile switches have a 15 x 15 mm edge length, reliable gold contacts and a noticeable click. They are used in flat data entry keyboards under overlays or under keycaps, such as RAFI RK 90 keycaps.

The round pressure pad of the RF 15 R requires round cut-outs in the front panel. These enable a narrow keyboard grid of just 15.24 mm with sufficiently large adhesive strips between the individual key switches. The overlay, which we recommend embossing above the key switches, can be glued onto these strips of glue.

technical data

general

Luminous element color	green
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	70 °C
illuminated	Yes
Luminous elements	Spot illumination 1 LED
Soldering time for manual soldering, max.	5 sec
Soldering temperature for manual soldering	350 °C
Soldering temperature for wave soldering	260 °C
Soldering	Manual / wave
Solder heat resistance according to standard	DIN EN 60068-2-20
Packaging	Tube

direct links

- RAFI eCatalog

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Packaging unit	32 pcs.
net weight	2.4 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
MOQ order	32 pcs.
RoHS compliant	Yes
REACH compliant	Yes

mounting diameters

Outside dimension, length	15 mm
Outside dimension, width	15 mm
Outside dimension, height	9.7 mm
Installation height	9.7 mm
Grid, min.	15.24 mm

mechanical data

Actuation function	momentary contact function
Operating force, min.	2.9 ± 0.6 N
Switching travel	$0.5^{+0.3}$ mm
Contact function	1 NO
Contact system	Snap-action contact
Contact material	Gold
Fixing	Soldering
Solderability	Yes
Terminal on the rear	THT

electrical data

Operating voltage of the luminous element, min.	2 V
Operating voltage of the luminous element, max.	5 V
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Operating current of the luminous element, max.	30 mA
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	2 W
dropping resistor	no

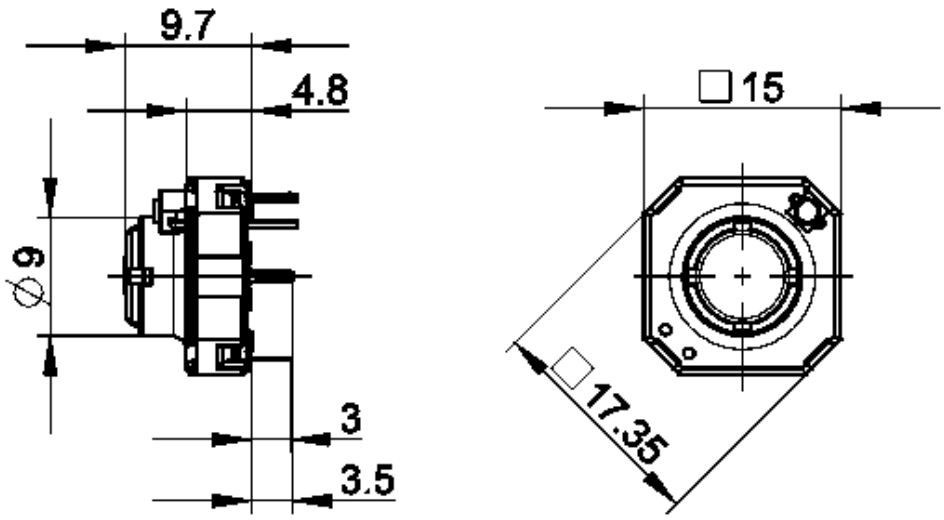
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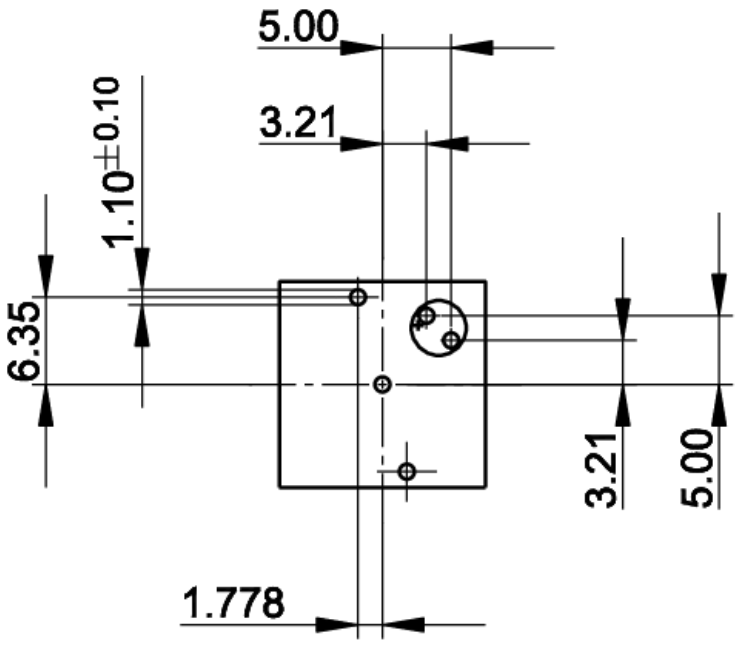
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drawings

Dimensioned drawing



PCB drawing



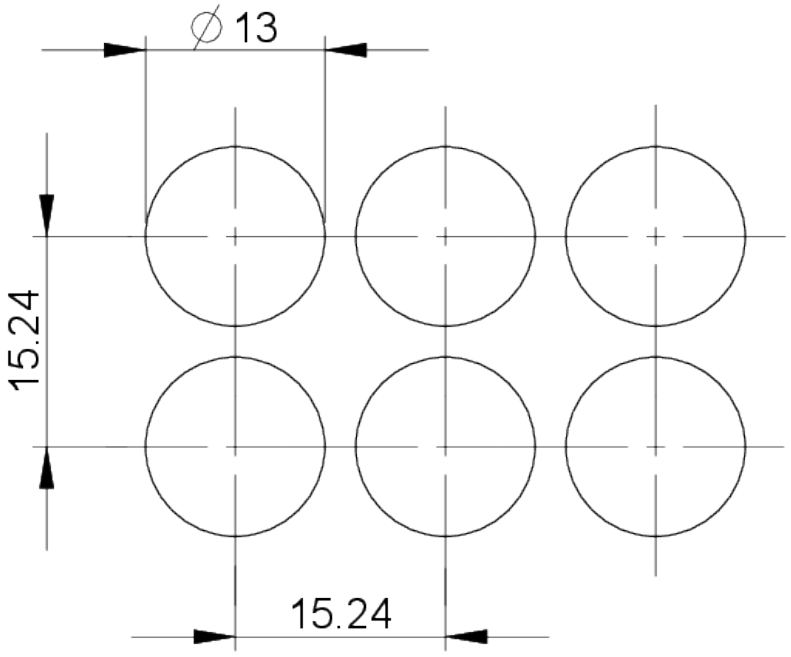
Button with 1x point illumination

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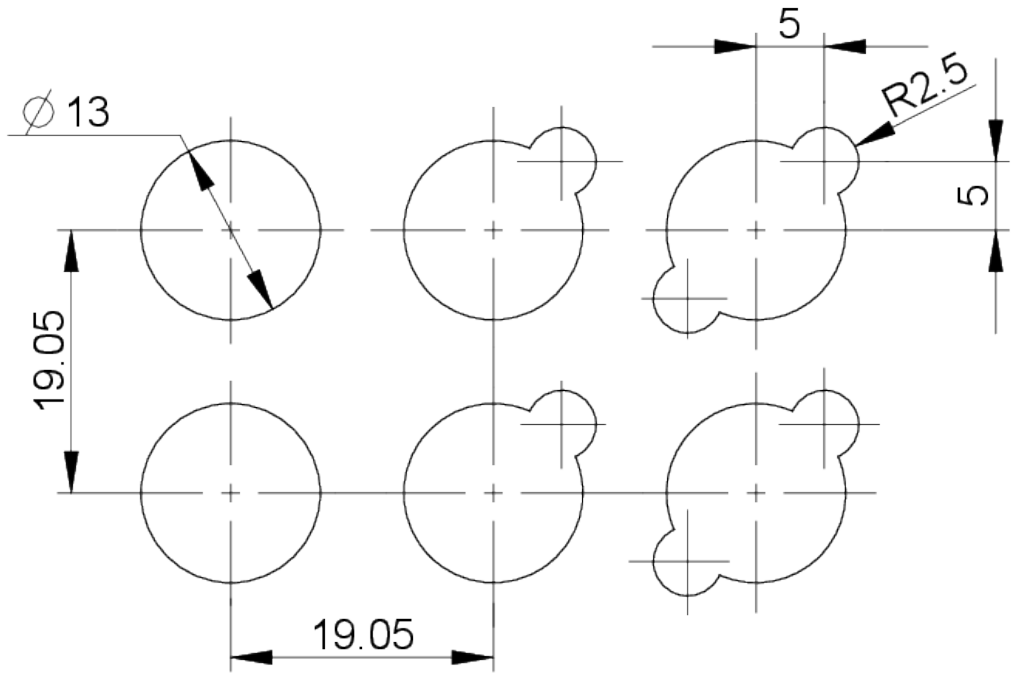
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front panel drawing



front panel drawing



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