CROUZET SWITCHES

# 83106 2 stable lever positions 831064 Part number made to order

- Double break switching
- Options for operation in stable positions
- Choice of actuators and fixing positions

## Part numbers

| | Type | Function | Connections |
|---|---|---|---|
| MADE TO ORDER | 2 stable lever positions 831064 | I (changeover) | W3 |

## Specifications

### Electrical characteristics

| | |
|---|---|
| Rating nominal / 250 VAC (A) | 5 |
| Rating thermal / 250 VAC (A) | 17,5 |

### Mechanical characteristics

| | |
|---|---|
| Maximum operating force (N) | 0,45 |
| Min. Release force (N) | - |
| Operating position (mm) | - |
| Min. overtravel (mm) | - |
| Mechanical life (operations) | $10^6$ |
| Max. permitted overtravel force (N) | - |
| Maximum rest position (mm) | - |
| Differential travel (mm) | - |
| Ambient operating temperature (°C) | -40 →+85 |
| Contact gap (mm) | 0,4 x 2 |
| Weight (g) | 9 |

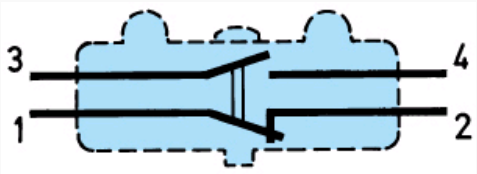
## Additional specifications

**Components**
**Material**
- Case : polyamide UL94V2 (83 106)
- Contacts : nickel silver

**Levers**
- Mild steel (zinc)
- Roller : polyamide
- Adjusting screws : self-retaining
- Plates : iridescent passivated mild steel (zinc)

**NB :** Fixing holes for these microswitches have metal ferrules.

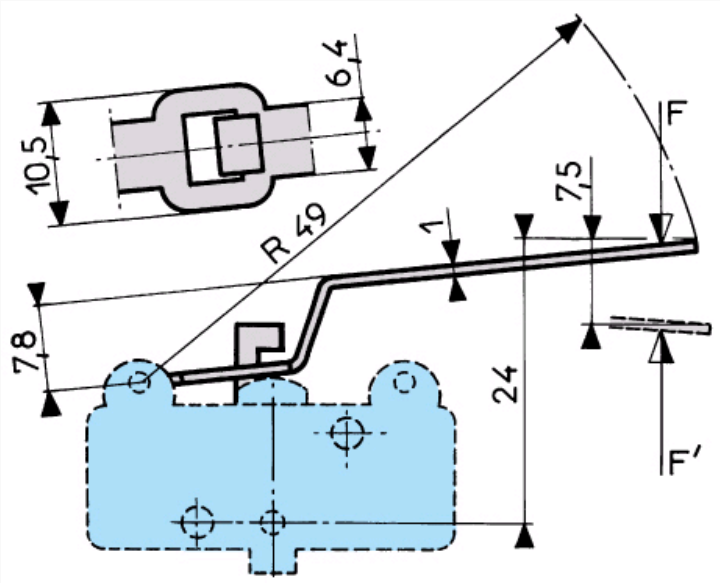
## Principles




## Dimensions (mm)

### Product

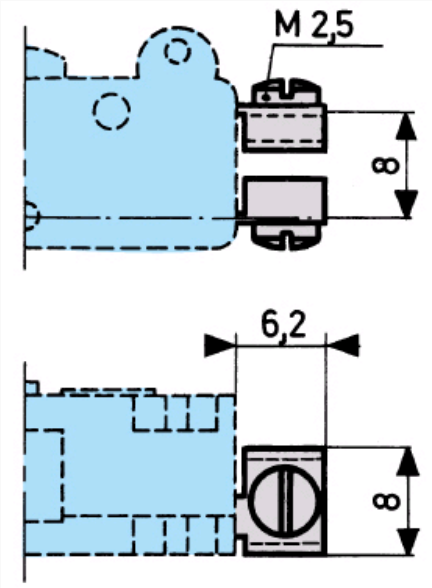
**83 106 4**




## Dimensions (mm)

### Connections

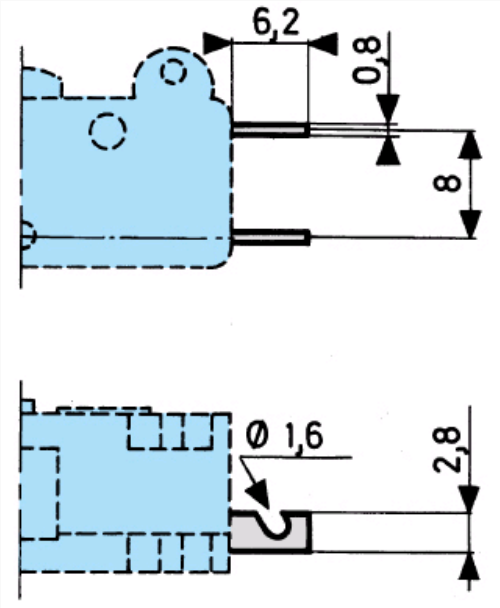
**W1 screw**




## Dimensions (mm)

### Connections

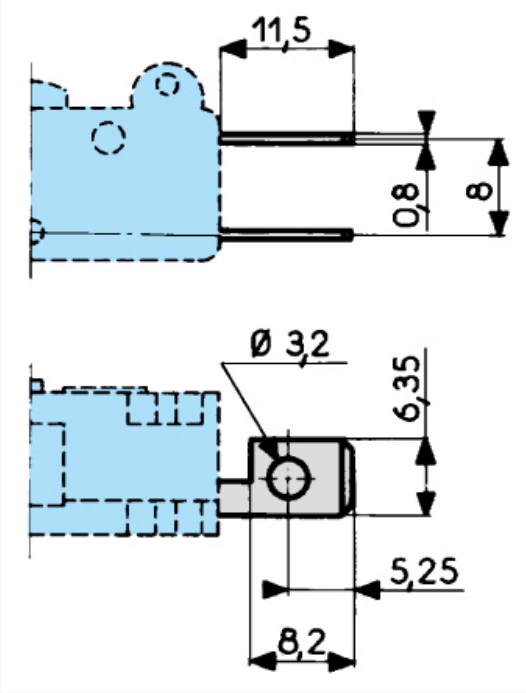
**W2 solder**




## Dimensions (mm)

### Connections

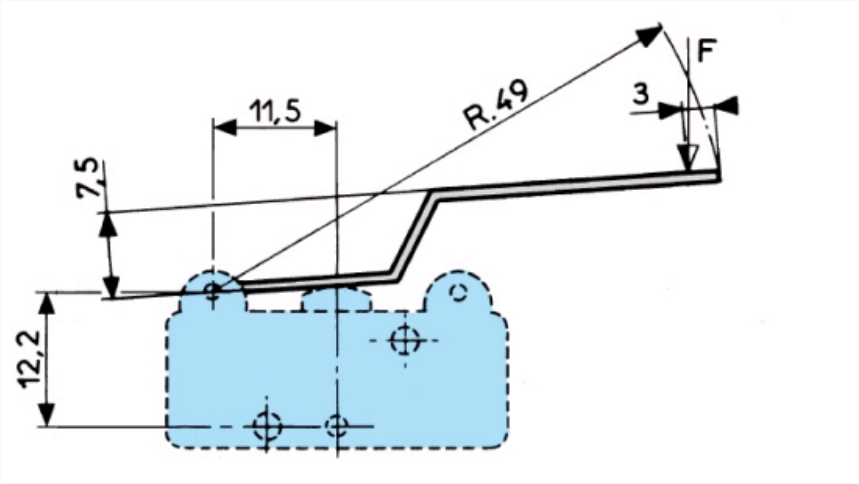
**W3 for 6.35 mm clips**




## Dimensions (mm)

### Actuators

**A**

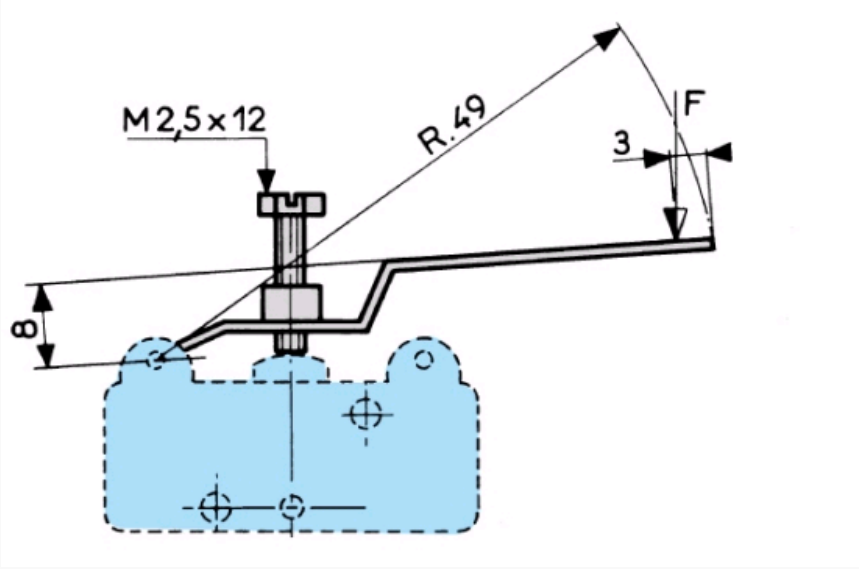



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Actuators

**B**

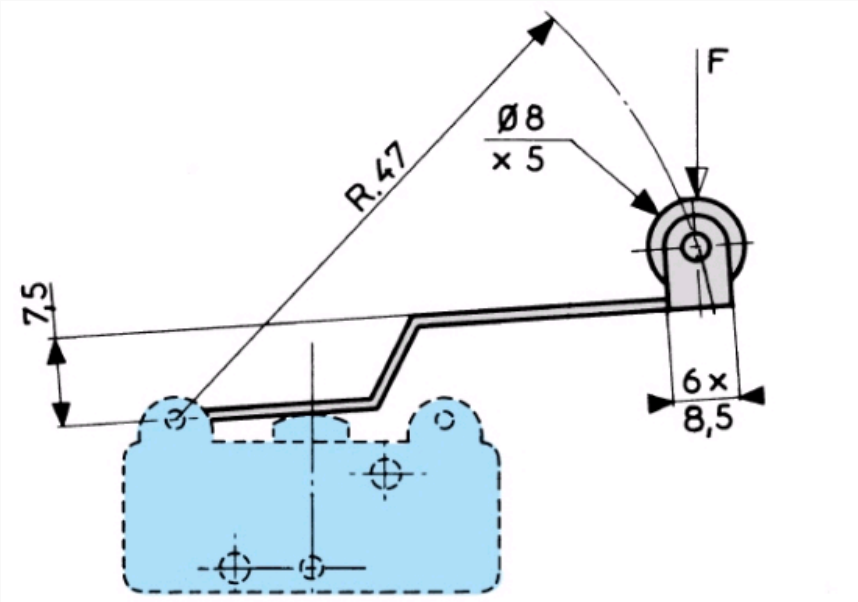



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Actuators

**E**

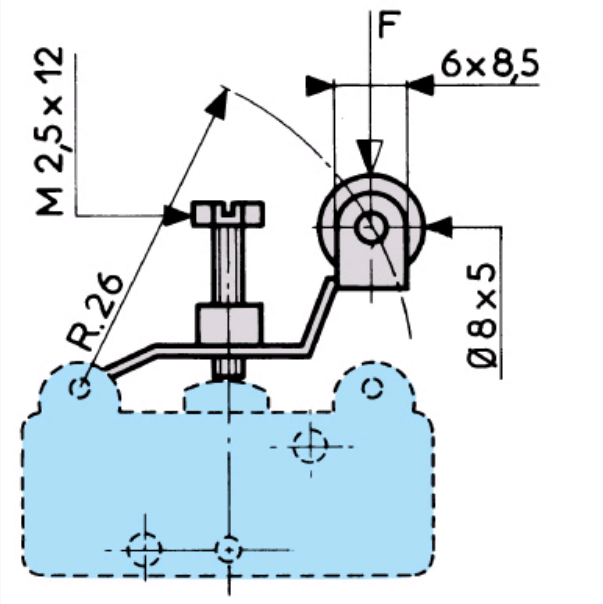



Lever cross-section 1 x 6.4 mm

**Dimensions (mm)**

**Actuators**

**Q**

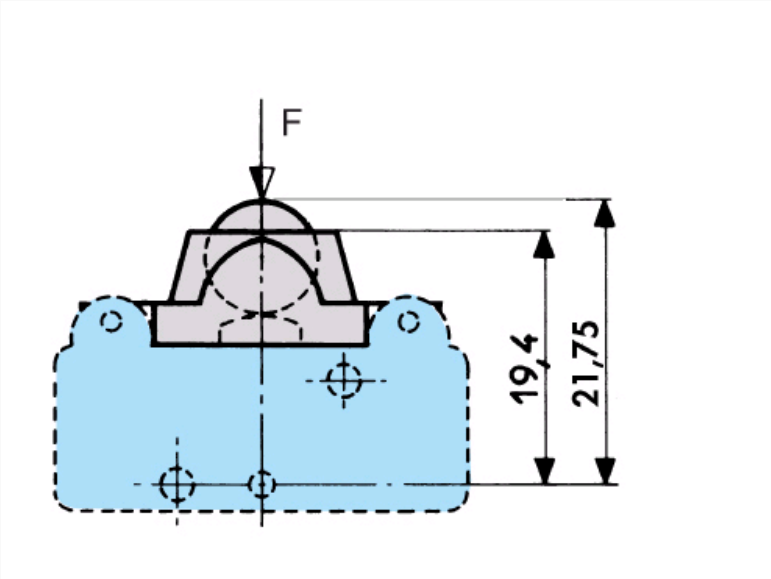



Lever cross-section 1 x 6.4 mm

**Dimensions (mm)**

**Actuators**

**B9**

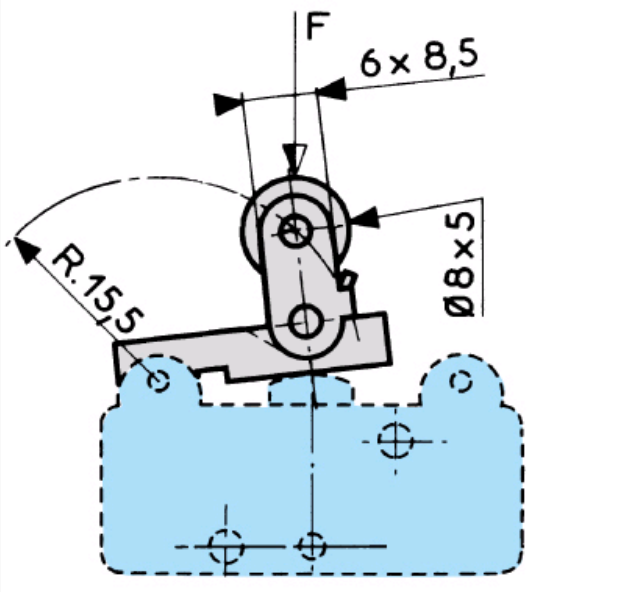



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Actuators

**V3**

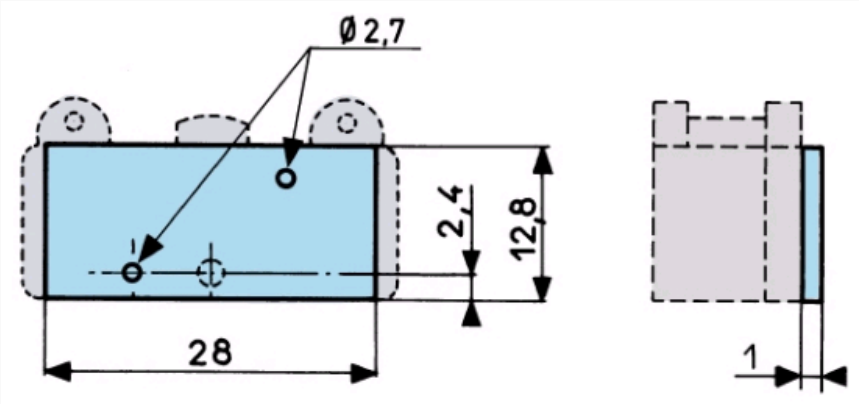



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Mounting accessories

**Y**
**Side plate**

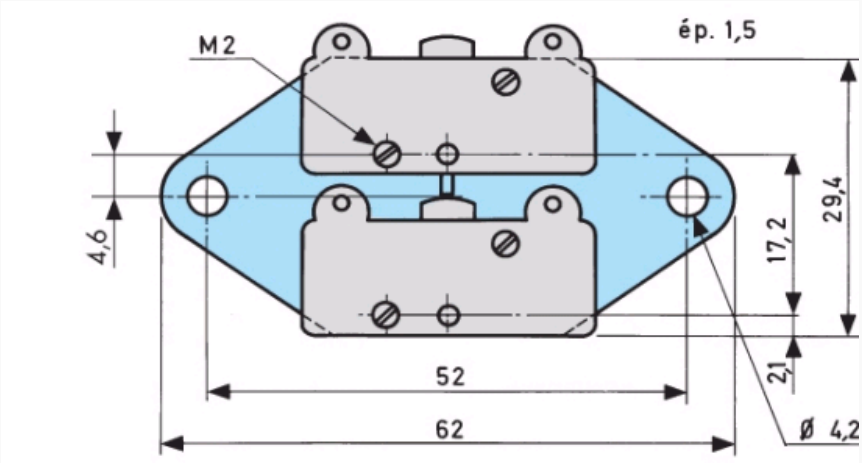



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Mounting accessories

**O2**
**2-pole side mounting plate**

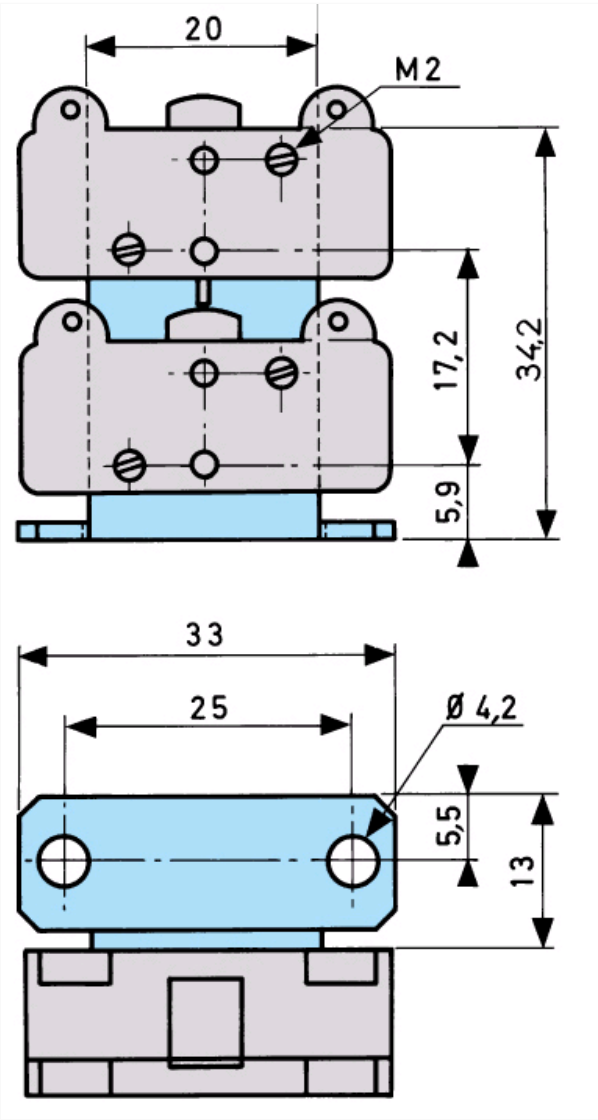



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Mounting accessories

**K2**
**2-pole vertical mounting plate**

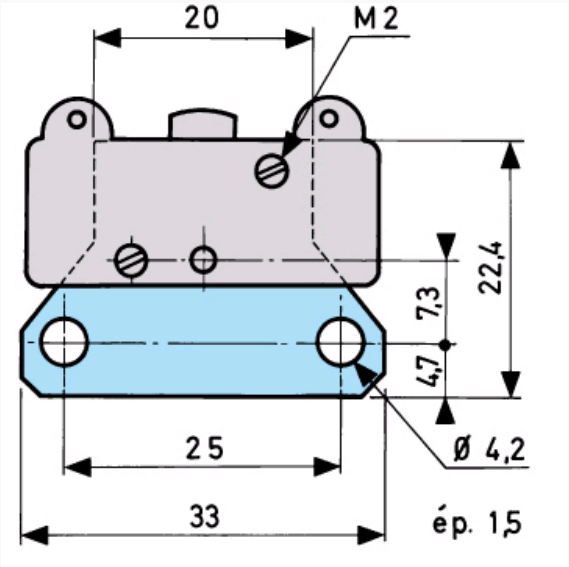



Lever cross-section 1 x 6.4 mm

## Dimensions (mm)

### Mounting accessories

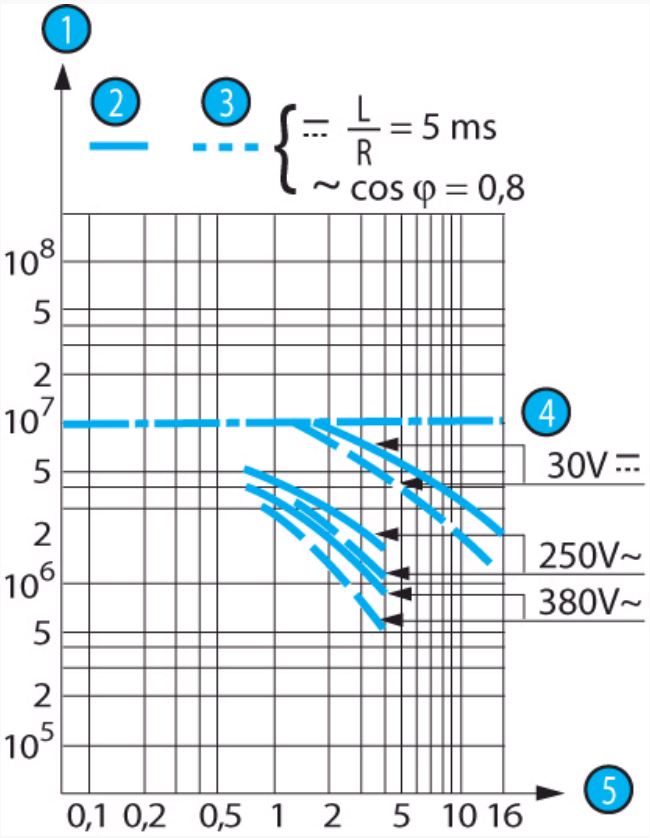
**H**
**Horizontal single-pole mounting plate**



Unless indicated, the thickness of plates is 1.5 mm

## Curves

**Operating curve for types 83 106 0 / 4 / 7**




| Nº | Legend |
|---|---|
| 1 | Number of cycles |
| 2 | Resistive circuit |
| 3 | Inductive circuit |
| 4 | Mechanical life limit |
| 5 | Current in Amps |

## Connections

### Actuators and fixing positions

Actuators and fixing positions

| Actuators | | A R49 | B R47 | E R47 | Q | V3 R15.5 | B9 |
|---|---|---|---|---|---|---|---|
| Operating force - max. | N | 1.2 | 1.2 | 1.2 | 2.8 | 4 | 4 |
| Release force - min. | N | 0.25 | 0.25 | 0.2 | 0.45 | 0.8 | 1 |
| Pre-travel - max. | mm | 6.2 | 6.2 | 6.2 | 3.2 | 1.45 | 1.5 |
| Differential travel | mm | 2.1 ±0.9 | 2.1 ±0.9 | 2.1 ±0.9 | 1.05 ±0.4 | 0.5 ±0.2 | 0.5 ±0.2 |
| Total travel max. | mm | 7.5 | 8.4 | 7.5 | 4.5 | 1.9 | 1.9 |

Except where otherwise indicated, the flat and roller levers are mounted as shown in the dimensional drawings (mounted on the left).

Mounting accessories

| Y Side plate | H Horizontal single-pole mounting plate | O2 2-pole side mounting plate | K2 2-pole vertical mounting plate |
|---|---|---|---|

## Other information

**Mounting - Operation**
See basic technical concepts

## Product adaptations

- Special levers
- Reinforced spring
- Special contacts
- Approvals : UL - cUL

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

**Данный компонент на территории Российской Федерации**

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

**Офис по работе с юридическими лицами:**

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9