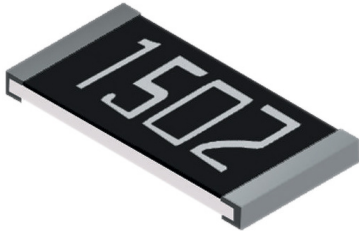


Thin Film Precision Resistor **multicomp**PRO

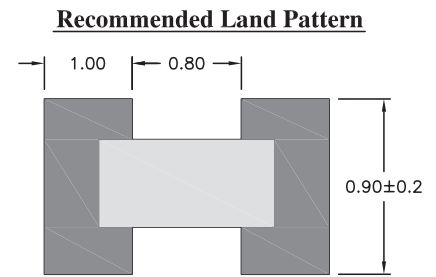
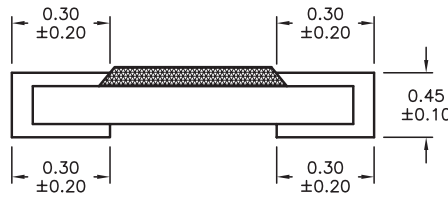
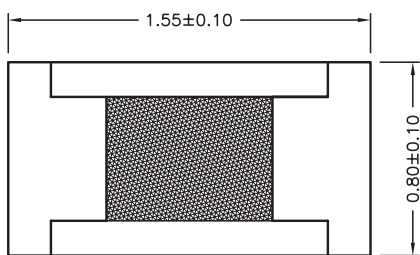
**RoHS
Compliant**



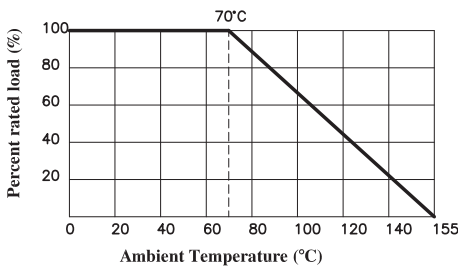
Features

- Thin Film Passivated NiCr Resistor
- Very Tight Tolerance down to $\pm 0.05\%$
- Wide R-Value Range 4.7Ω to $1M\Omega$
- Power Rating: $1/16W$
- Operating Temperature Range: $-55^{\circ}C$ to $+155^{\circ}C$
- Operating Voltage: 100V Max.
- TCR (PPM/ $^{\circ}C$): $\pm 25, \pm 50$

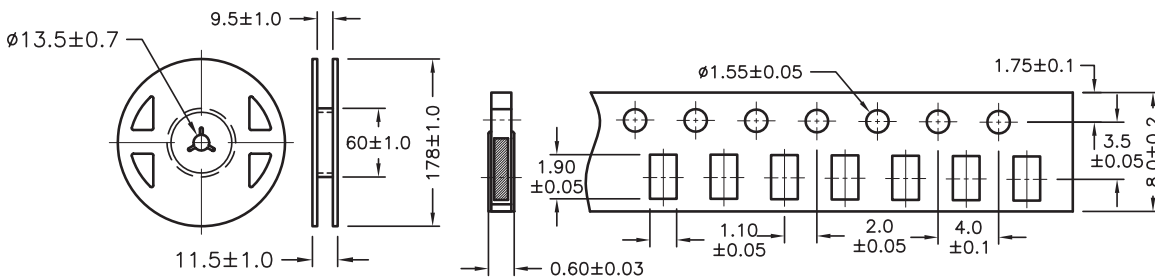
Diagram



Dimensions : Millimetres



Tape & Reel Dimension



Dimensions : Millimetres

Part Number Table

| Description | Resistor Case Style | Resistance | Resistance Tolerance | Power Rating | Part Number |
|------------------------------|---------------------|---------------|----------------------|--------------|-----------------|
| Thin Film Precision Resistor | 0603 | 100 Ω | $\pm 0.1\%$ | 62.5mW | MCTF0603BTC1000 |
| | | 1k Ω | $\pm 0.1\%$ | 62.5mW | MCTF0603BTC1001 |
| | | 10k Ω | $\pm 0.1\%$ | 62.5mW | MCTF0603BTC1002 |
| | | 100k Ω | $\pm 0.1\%$ | 62.5mW | MCTF0603BTC1003 |

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Element14.com/multicomp-pro

multicompPRO

Thin Film Precision Resistor **multicomp** PRO

| Description | Resistor Case Style | Resistance | Resistance Tolerance | Power Rating | Part Number |
|------------------------------|---------------------|------------|----------------------|--------------|------------------|
| Thin Film Precision Resistor | 0603 | 120kΩ | ±0.1% | 62.5mW | MCTF0603BTC1203 |
| | | 15kΩ | ±0.1% | 62.5mW | MCTF0603BTC1502 |
| | | 20kΩ | ±0.1% | 62.5mW | MCTF0603BTC2002 |
| | | 220kΩ | ±0.1% | 62.5mW | MCTF0603BTC2203 |
| | | 3kΩ | ±0.1% | 62.5mW | MCTF0603BTC3001 |
| | | 30kΩ | ±0.1% | 62.5mW | MCTF0603BTC3002 |
| | | 3.3kΩ | ±0.1% | 62.5mW | MCTF0603BTC3301 |
| | | 100Ω | ±0.1% | 62.5mW | MCTF0603BTC1000 |
| | | 1kΩ | ±0.1% | 62.5mW | MCTF0603BTC1001 |
| | | 10kΩ | ±0.1% | 62.5mW | MCTF0603BTC1002 |
| | | 100kΩ | ±0.1% | 62.5mW | MCTF0603BTC1003 |
| | | 120kΩ | ±0.1% | 62.5mW | MCTF0603BTC1203 |
| | | 15kΩ | ±0.1% | 62.5mW | MCTF0603BTC1502 |
| | | 20kΩ | ±0.1% | 62.5mW | MCTF0603BTC2002 |
| | | 220kΩ | ±0.1% | 62.5mW | MCTF0603BTC2203 |
| | | 3kΩ | ±0.1% | 62.5mW | MCTF0603BTC3001 |
| | | 30kΩ | ±0.1% | 62.5mW | MCTF0603BTC3002 |
| | | 3.3kΩ | ±0.1% | 62.5mW | MCTF0603BTC3301 |
| | | 100Ω | ±0.01% | 62.5mW | MCTF0603TIZ1000 |
| | | 1kΩ | ±0.01% | 62.5mW | MCTF0603TIZ1001 |
| | | 10kΩ | ±0.01% | 62.5mW | MCTF0603TIZ1002 |
| | | 1kΩ | ±0.01% | 62.5mW | MCTF0603TTY1001 |
| | | 10kΩ | ±0.01% | 62.5mW | MCTF0603TTY1002 |
| | | 100kΩ | ±0.01% | 62.5mW | MCTF0603TTY1003 |
| | | 1kΩ | ±0.01% | 62.5mW | MCTF0603TIX1001 |
| | | 10kΩ | ±0.01% | 62.5mW | MCTF0603TIX1002 |
| | | 100kΩ | ±0.01% | 62.5mW | MCTF0603TIX1003 |
| | | 75Ω | ±0.05% | 62.5mW | MCTF0603ATV50 |
| | | 1.5kΩ | ±0.05% | 62.5mW | MCTF0603A1Z1502 |
| | | 3kΩ | ±0.05% | 62.5mW | MCTF0603A TZ3001 |
| | | 3.3kΩ | ±0.05% | 62.5mW | MCTF0603A1Z3301 |
| | | 120kΩ | ±0.05% | 62.5mW | MCTF0603ATY1203 |
| | | 15kΩ | ±0.05% | 62.5mW | MCTF0603ATY1502 |
| | | 20kΩ | ± 0.05% | 62.5mW | MCTF0603ATY2002 |
| | | 220kΩ | ± 0.05% | 62.5mW | MCTF0603ATY2203 |
| | | 3kΩ | ± 0.05% | 62.5mW | MCTF0603A TY3001 |
| 30kΩ | ± 0.05% | 62.5mW | MCTF0603ATY3002 | | |
| 3.3kΩ | ± 0.05% | 62.5mW | MCTF0603ATY3301 | | |

Thin Film Precision Resistor **multicomp** PRO

| Description | Resistor Case Style | Resistance | Resistance Tolerance | Power Rating | Part Number |
|------------------------------|---------------------|------------|----------------------|--------------|------------------|
| Thin Film Precision Resistor | 0603 | 120kΩ | ± 0.05% | 62.5mW | MCTF0603ATX1203 |
| | | 15kΩ | ± 0.05% | 62.5mW | MCTF0603ATX1502 |
| | | 20kΩ | ± 0.05% | 62.5mW | MCTF0603ATX2002 |
| | | 220kΩ | ± 0.05% | 62.5mW | MCTF0603A TX2203 |
| | | 3kΩ | ± 0.05% | 62.5mW | MCTF0603ATX3001 |
| | | 30kΩ | ± 0.05% | 62.5mW | MCTF0603ATX3002 |
| | | 3.3kΩ | ± 0.05% | 62.5mW | MCTF0603A TX3301 |
| | | 100Ω | ± 0.01% | 31.25mW | MCTF0603TTZ1000 |
| | | 1kΩ | ± 0.01% | 31.25mW | MCTF0603TTZ1001 |
| | | 10kΩ | ± 0.01% | 31.25mW | MCTF0603TTZ1002 |
| | | 1kΩ | ± 0.01% | 62.5mW | MCTF0603TTY1001 |
| | | 10kΩ | ± 0.01% | 62.5mW | MCTF0603TTY1002 |
| | | 100kΩ | ± 0.01% | 62.5mW | MCTF0603TTY1003 |
| | | 1kΩ | ± 0.01% | 100mW | MCTF0603TTX1001 |
| | | 10kΩ | ± 0.01% | 100mW | MCTF0603TTX1002 |
| | | 100kΩ | ± 0.01% | 100mW | MCTF0603TTX1003 |
| | | 75Ω | ± 0.05% | 31.25mW | MCTF0603ATZ750 |
| | | 15kΩ | ± 0.05% | 31.25mW | MCTF0603ATZ1502 |
| | | 3kΩ | ± 0.05% | 31.25mW | MCTF0603ATZ3001 |
| | | 3.3kΩ | ± 0.05% | 31.25mW | MCTF0603ATZ3301 |
| | | 120kΩ | ± 0.05% | 62.5mW | MCTF0603A TY1203 |
| | | 15kΩ | ± 0.05% | 62.5mW | MCTF0603ATY1502 |
| | | 20kΩ | ± 0.05% | 62.5mW | MCTF0603A TY2002 |
| | | 220kΩ | ± 0.05% | 62.5mW | MCTF0603ATY2203 |
| | | 3kΩ | ± 0.05% | 62.5mW | MCTF0603A TY3001 |
| | | 30kΩ | ± 0.05% | 62.5mW | MCTF0603ATY3002 |
| | | 3.3kΩ | ± 0.05% | 62.5mW | MCTF0603A TY3301 |
| | | 120kΩ | ± 0.05% | 62.5mW | MCTF0603ATX1203 |
| | | 15kΩ | ± 0.05% | 62.5mW | MCTF0603ATX1502 |
| | | 20kΩ | ± 0.05% | 62.5mW | MCTF0603ATX2002 |
| | | 220kΩ | ± 0.05% | 100mW | MCTF0603ATX2203 |
| | | 13kΩ | ± 0.05% | 100mW | MCTF0603ATX3001 |
| | | 130kΩ | ± 0.05% | 100mW | MCTF0603ATX3002 |
| 3.3kΩ | ± 0.05% | 100mW | MCTF0603A TX3301 | | |

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