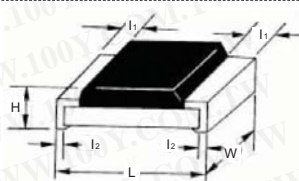


# Resistors & Potentiometers

## 0402 Chip Resistors -(1/16W)

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

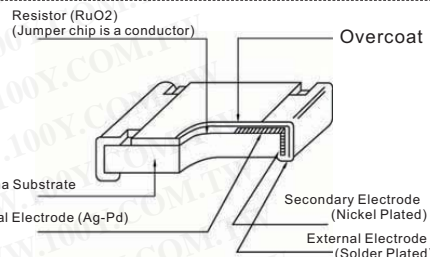
Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Package
22689	RC0402FR-07130K	YAGEO	0402 Chip Resistors-Thick Film	130K ohm	+/-1%	10,000pcs/R
45645	RC0402FR-07130R	YAGEO	0402 Chip Resistors-Thick Film	130 ohm	+/-1%	10,000pcs/R
22684	RC0402FR-0713K	YAGEO	0402 Chip Resistors-Thick Film	13K ohm	+/-1%	10,000pcs/R
22685	RC0402FR-0714K	YAGEO	0402 Chip Resistors-Thick Film	14K ohm	+/-1%	10,000pcs/R
22682	RC0402FR-0716K	YAGEO	0402 Chip Resistors-Thick Film	16Kohm	+/- 1%	10,000pcs/R
22798	RC0402FR-0716R	YAGEO	0402 Chip Resistors-Thick Film	16	+/-1%	10,000pcs/R
18214	RC0402FR-07180R	YAGEO	0402 Chip Resistors-Thick Film	180 ohm	+/-1%	10,000pcs/R
18231	RC0402FR-071K	YAGEO	0402 Chip Resistors-Thick Film	1K ohm	+/-1%	10,000pcs/R
18233	RC0402FR-071K2	YAGEO	0402 Chip Resistors-Thick Film	1.2K ohm	+/-1%	10,000pcs/R
18235	RC0402FR-071K5	YAGEO	0402 Chip Resistors-Thick Film	1.5K ohm	+/-1%	10,000pcs/R
22691	RC0402FR-071K6	YAGEO	0402 Chip Resistors-Thick Film	1.6K ohm	+/-1%	10,000pcs/R



### DIMENSIONS

STYLE	L	W	H	l <sub>1</sub>	l <sub>2</sub>
RC0402	1.00±0.05	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10

Unit : mm



### ELECTRICAL CHARACTERISTICS

STYLE	RC0402
Power Rating @ 70°C	1/16W
Operating Temp. Range	-25°C ~ +125°C
Maximum Working Voltage	50V
Maximum Overload Voltage	100V
Dielectric Withstand Voltage	100V
Resistance Range	E24 Tol. ±2%, ±5% E96 Tol. ±0.5%, ±1% Zero Ohm Jumper
TCR	±200ppm/°C ±250ppm/°C ±300ppm/°C 0/+500ppm/°C
Jumper Criteria	Rated Current (A) 1.0 Maximum Current (A) 2.0

### FEATURES

- Extremely Thin and Light
- Highly Reliable Multilayer Electrode Construction
- Compatible with all Soldering Process
- Highly Stable in Auto-Placement Surface Mounting Applications
- Barrier Layer End Termination
- Zero Ohm Jumper is Available
- Available in 8mm Tape & Reel per EIA Rs481



### ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD	1% TOL.	5% TOL.
Temperature Coefficient	MIL-STD-202F, Method 304 LCT to UCT	by Type	
Thermal Shock	MIL-STD-202F, Method 107G 25 Cycles, -65°C to +125°C (Step by Step 2 min.)	±(0.5%+0.05Ω)	±(1%+0.05Ω)
Low Temperature Operation	MIL-R-55342D, Para.4.7.4 One Hour at -65°C Followed by 45 Minutes RCWV	±(0.5%+0.05Ω)	±(1%+0.05Ω)
Short Time Overload	MIL-R-55342D, Para.4.7.5 2.5 Times RCWV for 5 Seconds	±(1%+0.05Ω)	±(2%+0.05Ω)
Insulation Resistance	JIS-C-5202, 5.6 RCOV for 1 Minute	>10GΩ	
Dielectric Withstand Voltage	JIS-C-5202, 5.7 R.M.S. for 1 Minute	by Type	
Resistance to Soldering Heat	MIL-STD-202F, Method 210C Soldered to Test Board at 260°C for 10 Seconds	±(0.5%+0.05Ω)	±(1%+0.05Ω)
Moisture Resistance	MIL-STD-202F, Method 106F 42 Cycles. Total 1000 Hours	±(0.5%+0.05Ω)	±(2%+0.05Ω)
Life	MIL-STD-202F, Method 108A 1000 Hours at 70°C RCWV Intermittent	±(1%+0.05Ω)	±(3%+0.05Ω)
Solderability	JIS-C-5202, 6.11 230°C for 5 Seconds	>95% Coverage	
Bending Strength	JIS-C-5202, 6.1.4 Unit Mounted in Center of 90mm Board Length, Deflected 5mm (power chip 2mm) in Either Direction for 5 Seconds	±(1%+0.05Ω)	±(1%+0.05Ω)

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Package
18274	RC0402FR-071M		0402 Chip Resistors-Thick Film	1M ohm	+/-1%	10,000pcs/R
22692	RC0402FR-071R	YAGEO	0402 Chip Resistors-Thick Film	1 ohm	+/- 1%	10,000pcs/R
18248	RC0402FR-07200K	YAGEO	0402 Chip Resistors-Thick Film	200K ohm	+/-1%	10,000pcs/R
18302	RC0402FR-0720K	YAGEO	0402 Chip Resistors-Thick Film	20K ohm	+/-1%	10,000pcs/R
41728	RC0402FR-0721K	YAGEO	0402 Chip Resistors-Thick Film	21K ohm	+/-5%	10,000pcs/R
18250	RC0402FR-07220K	YAGEO	0402 Chip Resistors-Thick Film	220K ohm	+/-1 %	10,000pcs/R
18216	RC0402FR-07220R	YAGEO	0402 Chip Resistors-Thick Film	220 ohm	+/-1%	10,000pcs/R
18304	RC0402FR-0722K	YAGEO	0402 Chip Resistors-Thick Film	22K ohm	+/-1%	10,000pcs/R
18199	RC0402FR-0722R	YAGEO	0402 Chip Resistors-Thick Film	22 ohm	+/-1%	10,000pcs/R
18252	RC0402FR-07240K	YAGEO	0402 Chip Resistors-Thick Film	240K ohm	+/-1%	10,000pcs/R
18218	RC0402FR-07240R	YAGEO	0402 Chip Resistors-Thick Film	240 ohm	+/-1%	10,000pcs/R
18306	RC0402FR-0724K	YAGEO	0402 Chip Resistors-Thick Film	24K ohm	+/-1%	10,000pcs/R
18201	RC0402FR-0724R	YAGEO	0402 Chip Resistors-Thick Film	24 ohm	+/-1%	10,000pcs/R
18254	RC0402FR-07270K	YAGEO	0402 Chip Resistors-Thick Film	270K ohm	+/-1%	10,000pcs/R
18308	RC0402FR-0727K	YAGEO	0402 Chip Resistors-Thick Film	27K ohm	+/-1%	10,000pcs/R
42387	RC0402FR-0727R	YAGEO	0402 Chip Resistors-Thick Film	27 OHM	+/-1 %	10,000pcs/R
22688	RC0402FR-07280K	YAGEO	0402 Chip Resistors-Thick Film	280K ohm	+/-1%	10,000pcs/R



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