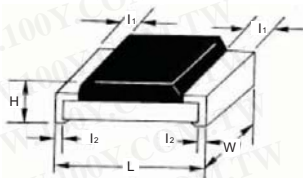


# Resistors & Potentiometers

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

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

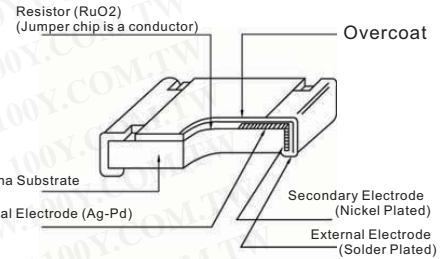
Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Package
18266	RC0402FR-07499K	YAGEO	0402 Chip Resistors-Thick Film	499K ohm	+/-1%	10,000pcs/R
18224	RC0402FR-07499R	YAGEO	0402-499 ohm, +/-1% Resistor	499 ohm	+/-1%	10,000pcs/R
18316	RC0402FR-0749K9	YAGEO	0402 Chip Resistors-Thick Film	49.9K ohm	+/-1%	10,000pcs/R
20499	RC0402FR-0749R9	YAGEO	0402 Chip Resistors-Thick Film	49.9 ohm	+/-1%	1 Roll
18284	RC0402FR-074K3	YAGEO	0402 Chip Resistors-Thick Film	4.3.K ohm	+/-1%	10,000pcs/R
18286	RC0402FR-074K7	YAGEO	0402 Chip Resistors-Thick Film	4.7.K ohm	+/-1%	10,000pcs/R
18195	RC0402FR-074R7	YAGEO	0402 Chip Resistors-Thick Film	4.7 ohm	+/-1%	10,000pcs/R
28420	RC0402FR-0751K1	YAGEO	0402 Chip Resistors-Thick Film	51.1K ohm	+/-1%	20Pcs
18268	RC0402FR-07560K	YAGEO	0402 Chip Resistors-Thick Film	560K ohm	+/-1%	10,000pcs/R
18226	RC0402FR-07560R	YAGEO	0402 Chip Resistors-Thick Film	560 ohm	+/-1%	10,000pcs/R



### DIMENSIONS

STYLE	L	W	H	l1	l2
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
18318	RC0402FR-0756K	YAGEO	0402 Chip Resistors-Thick Film	56K ohm	+/-1%	10,000pcs/R
18058	RC0402FR-0756R	YAGEO	0402 Chip Resistors-Thick Film	56 ohm	+/-1%	10,000pcs/R
18288	RC0402FR-075K1	YAGEO	0402 Chip Resistors-Thick Film	5.1.K ohm	+/-1%	10,000pcs/R
18290	RC0402FR-075K6	YAGEO	0402 Chip Resistors-Thick Film	5.6.K ohm	+/-1%	10,000pcs/R
18270	RC0402FR-07620K	YAGEO	0402 Chip Resistors-Thick Film	620K ohm	+/-1%	10,000pcs/R
18320	RC0402FR-0762K	YAGEO	0402 Chip Resistors-Thick Film	62K ohm	+/-1%	10,000pcs/R
41730	RC0402FR-0766R5	YAGEO	0402 Chip Resistors-Thick Film	66.5 ohm	+/-5%	10,000pcs/R
18272	RC0402FR-07680K	YAGEO	0402 Chip Resistors-Thick Film	680K ohm	±1 ohm	10,000pcs/R
18229	RC0402FR-07680R	YAGEO	0402 Chip Resistors-Thick Film	680 ohm	+/-1%	10,000pcs/R
18322	RC0402FR-0768K	YAGEO	0402 Chip Resistors-Thick Film	68K ohm	+/-1%	10,000pcs/R
18207	RC0402FR-0768R	YAGEO	0402 Chip Resistors-Thick Film	68 ohm	+/-1%	10,000pcs/R
18292	RC0402FR-076K8	YAGEO	0402 Chip Resistors-Thick Film	6.8.K ohm	+/-1%	10,000pcs/R
22680	RC0402FR-07750K	YAGEO	0402 Chip Resistors-Thick Film	750K ohm	+/-1%	10,000pcs/R
28220	RC0402FR-0775R		0402 Chip Resistors-Thick Film	75 ohm	+/-1%	1 Roll
28550	RC0402FR-077K15	YAGEO	0402 Chip Resistors-Thick Film	7.15K ohm	+/-1%	10,000pcs/R
28551	RC0402FR-077K15	YAGEO	0402 Chip Resistors-Thick Film	7.15K ohm	+/-1%	10,000pcs/R
22681	RC0402FR-07887K	YAGEO	0402 Chip Resistors-Thick Film	887K ohm	+/-1%	10,000pcs/R
18294	RC0402FR-078K2	YAGEO	0402 Chip Resistors-Thick Film	8.2.K ohm	+/-1%	10,000pcs/R
22697	RC0402FR-079K53	YAGEO	0402 Chip Resistors-Thick Film	9.53K ohm	+/-1%	10,000pcs/R



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