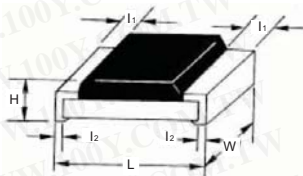


Resistors & Potentiometers

0402 Chip Resistors -(1/16W)

Detailed product specifications are available on: us.100y.com.tw

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Package
18237	RC0402FR-072K	YAGEO	0402 Chip Resistors-Thick Film	2K ohm	+/-1%	10,000pcs/R
18239	RC0402FR-072K2	YAGEO	0402 Chip Resistors-Thick Film	2.2K ohm	+/-1%	10,000pcs/R
18244	RC0402FR-072K4	YAGEO	0402 Chip Resistors-Thick Film	2.4K ohm	+/-1%	10,000pcs/R
32167	RC0402FR-072K49	YAGEO	0402 Chip Resistors-Thick Film	2.49K ohm	+/-1%	10,000pcs/R
18276	RC0402FR-072K7	YAGEO	0402 Chip Resistors-Thick Film	2.7K ohm	+/-1%	10,000pcs/R
22683	RC0402FR-072M	YAGEO	0402 Chip Resistors-Thick Film	2M ohm	+/-1%	10,000pcs/R
18256	RC0402FR-07300K	YAGEO	0402 Chip Resistors-Thick Film	300K ohm	+/-1%	10,000pcs/R
18220	RC0402FR-07300R	YAGEO	0402 Chip Resistors-Thick Film	300 ohm	+/-1%	10,000pcs/R
41725	RC0402FR-07309K	YAGEO	0402 Chip Resistors-Thick Film	309K ohm	+/-5%	10,000pcs/R
22690	RC0402FR-0730K	YAGEO	0402 Chip Resistors-Thick Film	30K ohm	+/-1%	10,000pcs/R

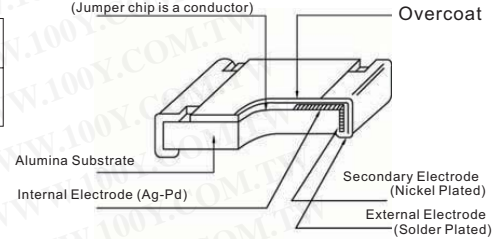


DIMENSIONS

Unit : mm

STYLE	L	W	H	I1	I2
RC0402	1.00±0.05	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10

Resistor (RuO2)
(Jumper chip is a conductor)



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) Maximum Current (A)
	1.0 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
41729	RC0402FR-0730R1	YAGEO	0402 Chip Resistors-Thick Film	30.1 ohm	+/-5%	10,000pcs/R
41727	RC0402FR-0731K6	YAGEO	0402 Chip Resistors-Thick Film	31.6K ohm	+/-5%	10,000pcs/R
22686	RC0402FR-07324K	YAGEO	0402 Chip Resistors-Thick Film	324K ohm	+/-1%	10,000pcs/R
18258	RC0402FR-07330K	YAGEO	0402 Chip Resistors-Thick Film	330K ohm	+/-1%	10,000pcs/R
43206	RC0402FR-07330RL	YAGEO	0402 Chip Resistors-Thick Film	330 ohm	+/-1%	10,000pcs/R
18310	RC0402FR-0733K	YAGEO	0402 Chip Resistors-Thick Film	33K ohm	+/-1%	10,000pcs/R
18203	RC0402FR-0733R	YAGEO	0402 Chip Resistors-Thick Film	33 ohm	+/-1%	10,000pcs/R
18260	RC0402FR-07360K	YAGEO	0402 Chip Resistors-Thick Film	360K ohm	+/-1%	10,000pcs/R
22679	RC0402FR-07390K	YAGEO	0402 Chip Resistors-Thick Film	390K ohm	+/-1%	10,000pcs/R
18278	RC0402FR-073K	YAGEO	0402 Chip Resistors-Thick Film	3K ohm	+/-1%	10,000pcs/R
18280	RC0402FR-073K3	YAGEO	0402 Chip Resistors-Thick Film	3.3K ohm	+/-1%	10,000pcs/R
18282	RC0402FR-073K6	YAGEO	0402 Chip Resistors-Thick Film	3.6K ohm	+/-1%	10,000pcs/R
18262	RC0402FR-07430K	YAGEO	0402 Chip Resistors-Thick Film	430K ohm	+/-1%	10,000pcs/R
18312	RC0402FR-0743K	YAGEO	0402 Chip Resistors-Thick Film	43K ohm	+/-1%	10,000pcs/R
18264	RC0402FR-07470K	YAGEO	0402 Chip Resistors-Thick Film	470K ohm	+/-1%	10,000pcs/R
18222	RC0402FR-07470R	YAGEO	0402 Chip Resistors-Thick Film	470 ohm	+/-1%	10,000pcs/R
18314	RC0402FR-0747K	YAGEO	0402 Chip Resistors-Thick Film	47K ohm	+/-1%	10,000pcs/R
18205	RC0402FR-0747R	YAGEO	0402 Chip Resistors-Thick Film	47 ohm	+/-1%	10,000pcs/R



T E L : Taiwan : 886-3-5753170
 F A X : Taiwan : 886-3-5753172
 E-mail : Taiwan : us_sale@100y.com.tw

Shenzhen : 86-755-83298787
 Shenzhen : 86-755-83640655
 Shenzhen : 100y@163.com

Shanghai : 86-21-54151736
 Shanghai : 86-21-64605107
 Shanghai : 100y-1@163.com