

Resistors & Potentiometers

0603 Chip Resistors (1/10W)

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

TEST AND REQUIREMENTS

TEST	PROCEDURE	REQUIREMENT	
		Resistor	Jumper
Resistance to soldering heat	Unmounted chips 10±1 seconds, 270±5°C	no visible damage $\Delta R/R$ max. $\pm(1\%+0.10\Omega)$	no visible damage, < 50m Ω
Solderability	Termination SnPb base : Unmounted chips completely immersed for 2±0.5 sec. in a solder bath at 230±5°C Termination Sn base (lead free) : Unmounted chip completely immersed in a lead free solder bath. 245°C±5°C, 3±1 sec	good tinning (>95% covered) no visible damage	
Temperature cycling	1. 30 minutes at -55°C±3°C, 2. 2~3 minutes at room temperature, 3. 30 minutes at +155°C±3°C, 4. 2~3 minutes at room temperature, Total 5 continuous cycles	no visible damage $\Delta R/R$ max. $\pm(1\%+0.10\Omega)$	no visible damage, < 50m Ω
Load life (endurance)	70±2°C, 1000 hours, loaded with RCWV or Vmax, 1.5 hours on and 0.5 hours off	10 Ω ~1M Ω $\pm(3\%+0.1\Omega)$ <10 Ω or \geq 1M Ω $\pm(5\%+0.1\Omega)$	< 50m Ω
Load life in Humidity	1000 hours, at rated continuous working voltage in humidity chamber controller at 40°C±2°C and 90~95% relative humidity, 1.5 hours on and 0.5 hours off	10 Ω ~1M Ω $\pm(3\%+0.1\Omega)$ <10 Ω or \geq 1M Ω $\pm(5\%+0.1\Omega)$	< 50m Ω
Bending and Termination strength	Resistors mounted on a 90mm glass epoxy resin PCB(FR4); bending : 5 mm, once for 10seconds Pulling test : 500grams	no visible damage $\Delta R/R$ max. $\pm(1\%+0.10\Omega)$	no visible damage, < 50m Ω

Part No.	Product No.	Manufacturer	Description	Resistance(Ω)	Tolerance(\pm)	Package
30239	RP0610M0FR	WALSIN	0603 Chip Resistors (1/10W)	10M Ω	±1%	5000pcs/R
30276	RP06110EFR	WALSIN	0603 Chip Resistors (1/10W)	110 Ω	±1%	5000pcs/R
30512	RP06110KFR	WALSIN	0603 Chip Resistors (1/10W)	110K Ω	±1%	5000pcs/R
30523	RP0611K0FR	WALSIN	0603 Chip Resistors (1/10W)	11K Ω	±1%	5000pcs/R
30557	RP06120KFR	WALSIN	0603 Chip Resistors (1/10W)	120K Ω	±1%	5000pcs/R
30269	RP06130EFR	WALSIN	0603 Chip Resistors (1/10W)	130 Ω	±1%	5000pcs/R
30532	RP06130KFR	WALSIN	0603 Chip Resistors (1/10W)	130K Ω	±1%	5000pcs/R
30544	RP0613K0FR	WALSIN	0603 Chip Resistors (1/10W)	13K Ω	±1%	5000pcs/R
30539	RP06150KFR	WALSIN	0603 Chip Resistors (1/10W)	150K Ω	±1%	5000pcs/R
30552	RP0615K0FR	WALSIN	0603 Chip Resistors (1/10W)	15K Ω	±1%	5000pcs/R
30286	RP06160EFR	WALSIN	0603 Chip Resistors (1/10W)	160 Ω	±1%	5000pcs/R
30524	RP06160KFR	WALSIN	0603 Chip Resistors (1/10W)	160K Ω	±1%	5000pcs/R
30536	RP0616K0FR	WALSIN	0603 Chip Resistors (1/10W)	16K Ω	±1%	5000pcs/R
30521	RP06180KFR	WALSIN	0603 Chip Resistors (1/10W)	180K Ω	±1%	5000pcs/R
29586	RP06182EFR	WALSIN	0603 Chip Resistors (1/10W)	182 Ω	±1%	5000pcs/R
30559	RP0618K0FR	WALSIN	0603 Chip Resistors (1/10W)	18K Ω	±1%	5000pcs/R
30560	RP061K10FR	WALSIN	0603 Chip Resistors (1/10W)	1.1K Ω	±1%	5000pcs/R
30550	RP061K20FR	WALSIN	0603 Chip Resistors (1/10W)	1.2K Ω	±1%	5000pcs/R
30549	RP061K30FR	WALSIN	0603 Chip Resistors (1/10W)	1.3K Ω	±1%	5000pcs/R
30520	RP061K60FR	WALSIN	0603 Chip Resistors (1/10W)	1.6K Ω	±1%	5000pcs/R
30527	RP061K80FR	WALSIN	0603 Chip Resistors (1/10W)	1.8K Ω	±1%	5000pcs/R
30233	RP061M10FR	WALSIN	0603 Chip Resistors (1/10W)	1.1M Ω	±1%	5000pcs/R
30225	RP061M20FR	WALSIN	0603 Chip Resistors (1/10W)	1.2M Ω	±1%	5000pcs/R
30224	RP061M30FR	WALSIN	0603 Chip Resistors (1/10W)	1.3M Ω	±1%	5000pcs/R
30222	RP061M50FR	WALSIN	0603 Chip Resistors (1/10W)	1.5M Ω	±1%	5000pcs/R
30231	RP061M60FR	WALSIN	0603 Chip Resistors (1/10W)	1.6M Ω	±1%	5000pcs/R
30221	RP061M80FR	WALSIN	0603 Chip Resistors (1/10W)	1.8M Ω	±1%	5000pcs/R
30280	RP06200EFR	WALSIN	0603 Chip Resistors (1/10W)	200 Ω	±1%	5000pcs/R
29587	RP06243EFR	WALSIN	0603 Chip Resistors (1/10W)	243 Ω	±1%	5000pcs/R
30555	RP06270KFR	WALSIN	0603 Chip Resistors (1/10W)	270K Ω	±1%	5000pcs/R
30261	RP0627E0FR	WALSIN	0603 Chip Resistors (1/10W)	27 Ω	±1%	5000pcs/R
30554	RP0627K0FR	WALSIN	0603 Chip Resistors (1/10W)	27K Ω	±1%	5000pcs/R
30531	RP0627K4FR	WALSIN	0603 Chip Resistors (1/10W)	27.4K Ω	±1%	5000pcs/R
30516	RP06287KFR	WALSIN	0603 Chip Resistors (1/10W)	287K Ω	±1%	5000pcs/R
30220	RP062M00FR	WALSIN	0603 Chip Resistors (1/10W)	2M Ω	±1%	5000pcs/R
30228	RP062M20FR	WALSIN	0603 Chip Resistors (1/10W)	2.2M Ω	±1%	5000pcs/R
30230	RP062M40FR	WALSIN	0603 Chip Resistors (1/10W)	2.4M Ω	±1%	5000pcs/R
30238	RP062M70FR	WALSIN	0603 Chip Resistors (1/10W)	2.7M Ω	±1%	5000pcs/R
30564	RP0630K0FR	WALSIN	0603 Chip Resistors (1/10W)	30K Ω	±1%	5000pcs/R
30565	RP06330KFR	WALSIN	0603 Chip Resistors (1/10W)	330K Ω	±1%	5000pcs/R
30285	RP06360EFR	WALSIN	0603 Chip Resistors (1/10W)	360 Ω	±1%	5000pcs/R
30265	RP0636E0FR	WALSIN	0603 Chip Resistors (1/10W)	36 Ω	±1%	5000pcs/R
30547	RP0636K0FR	WALSIN	0603 Chip Resistors (1/10W)	36K Ω	±1%	5000pcs/R

