

# DATA SHEET

## THICK FILM CHIP RESISTORS AUTOMOTIVE GRADE

AC series

$\pm 5\%$ ,  $\pm 1\%$ ,  $\pm 0.5\%$

Sizes 0201/0402/0603/0805/1206/  
1210/1218/2010/2512

RoHS compliant & Halogen free



## SCOPE

This specification describes AC0201 to AC2512 chip resistors with lead-free terminations made by thick film process.

## APPLICATIONS

- All general purpose applications
- Car electronics, industrial application

## FEATURES

- AEC-Q200 qualified
- Moisture sensitivity level: MSL 1
- AC series soldering is compliant with J-STD-020D
- Halogen free epoxy
- RoHS compliant
  - Products with lead-free terminations meet RoHS requirements
  - Pb-glass contained in electrodes, resistor element and glass are exempted by RoHS
- Reduce environmentally hazardous waste
- High component and equipment reliability
- The resistors are 100% performed by automatic optical inspection prior to taping.

## ORDERING INFORMATION - GLOBAL PART NUMBER

Part number is identified by the series name, size, tolerance, packaging type, temperature coefficient, taping reel and resistance value.

### GLOBAL PART NUMBER

AC XXXX X X X XX XXXX L  
 (1) (2) (3) (4) (5) (6) (7)

#### (1) SIZE

0201 / 0402 / 0603 / 0805 / 1206 / 1210 / 1218 / 2010 / 2512

#### (2) TOLERANCE

D =  $\pm 0.5\%$  J =  $\pm 5\%$  (for Jumper ordering, use code of J)  
 F =  $\pm 1\%$

#### (3) PACKAGING TYPE

R = Paper taping reel K = Embossed taping reel

#### (4) TEMPERATURE COEFFICIENT OF RESISTANCE

– = Base on spec

#### (5) TAPING REEL

07 = 7 inch dia. Reel & Standard power 10 = 10 inch dia. Reel  
 13 = 13 inch dia. Reel 7W = 7 inch dia. Reel & 2 x standard power  
 3W = 13 inch dia. Reel & 2 x standard power

#### (6) RESISTANCE VALUE

1  $\Omega$  to 22 M $\Omega$   
 There are 2~4 digits indicated the resistance value. Letter R/K/M is decimal point, no need to mention the last zero after R/K/M, e.g. 1K2, not 1K20.  
 Detailed coding rules of resistance are shown in the table of "Resistance rule of global part number".

#### (7) DEFAULT CODE

Letter L is the system default code for ordering only. (Note)

Resistance coding rule	Example
XRXX (1 to 9.76 $\Omega$ )	1R = 1 $\Omega$ 1R5 = 1.5 $\Omega$ 9R76 = 9.76 $\Omega$
XXRX (10 to 97.6 $\Omega$ )	10R = 10 $\Omega$ 97R6 = 97.6 $\Omega$
XXXR (100 to 976 $\Omega$ )	100R = 100 $\Omega$ 976R = 976 $\Omega$
XKXX (1 to 9.76 K $\Omega$ )	1K = 1,000 $\Omega$ 9K76 = 9760 $\Omega$
XMXX (1 to 9.76 M $\Omega$ )	1M = 1,000,000 $\Omega$ 9M76 = 9,760,000 $\Omega$
XXMX (10 M $\Omega$ )	10M = 10,000,000 $\Omega$

### ORDERING EXAMPLE

The ordering code for an AC0402 chip resistor, value 100 K $\Omega$  with  $\pm 1\%$  tolerance, supplied in 7-inch tape reel is: AC0402FR-07100KL.

### NOTE

1. All our R-Chip products are RoHS compliant and Halogen free. "LFP" of the internal 2D reel label states "Lead-Free Process".
2. On customized label, "LFP" or specific symbol can be printed.
3. AC series with  $\pm 0.5\%$  tolerance is also available. For further information, please contact sales.

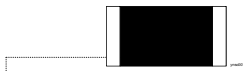
**MARKING****AC0201 / AC0402**

Fig. 1

No marking

**AC0603 / AC0805 / AC1206 / AC1210 / AC2010 / AC2512**

Fig. 2 Value=10 KΩ

E-24 series: 3 digits,  $\pm 5\%$   
 First two digits for significant figure and 3rd digit for number of zeros

**AC0603**

Fig. 3 Value = 24 Ω

E-24 series: 3 digits,  $\pm 1\%$  &  $\pm 0.5\%$   
 One short bar under marking letter



Fig. 4 Value = 12.4 KΩ

E-96 series: 3 digits,  $\pm 1\%$  &  $\pm 0.5\%$   
 First two digits for E-96 marking rule and 3rd letter for number of zeros

**AC0805 / AC1206 / AC1210 / AC2010 / AC2512**

Fig. 5 Value = 10 KΩ

Both E-24 and E-96 series: 4 digits,  $\pm 1\%$  &  $\pm 0.5\%$   
 First three digits for significant figure and 4th digit for number of zeros

**AC1218**

Fig. 6 Value = 10 KΩ

E-24 series: 3 digits,  $\pm 5\%$   
 First two digits for significant figure and 3rd digit for number of zeros



Fig. 7 Value = 10 KΩ

Both E-24 and E-96 series: 4 digits,  $\pm 1\%$  &  $\pm 0.5\%$   
 First three digits for significant figure and 4th digit for number of zeros

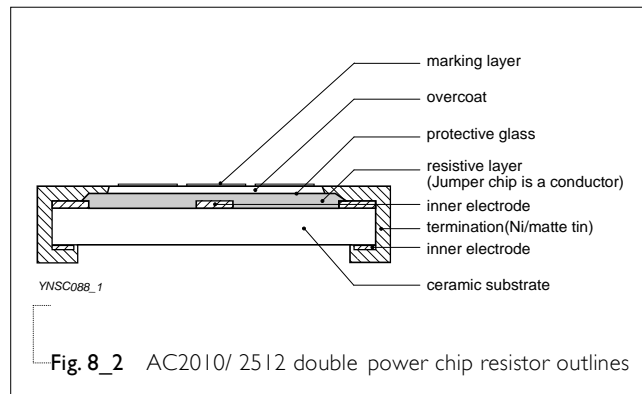
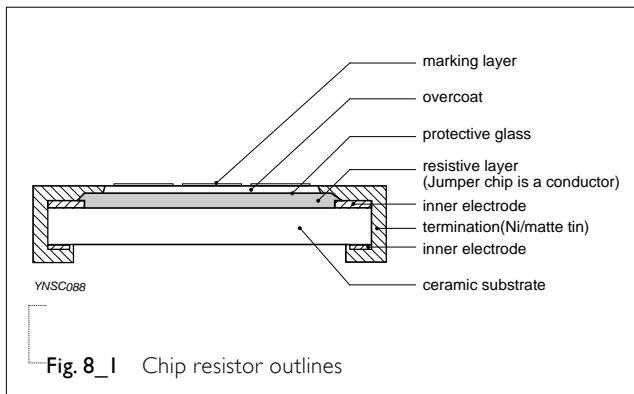
**NOTE**

For further marking information, please refer to data sheet "Chip resistors marking". Marking of AC series is the same as RC series.

**CONSTRUCTION**

The resistors are constructed on top of an automotive grade ceramic body. Internal metal electrodes are added at each end and connected by a resistive glaze. The resistive glaze is covered by a protective glass. The composition of the glaze is adjusted to give the approximately required resistance value and laser trimming of this resistive glaze achieves the value within tolerance. The whole element is covered by a protective overcoat. Size 0603 and bigger is marked with the resistance value on top. Finally, the two external terminations (Ni / matte tin) are added, as shown in Fig.8.

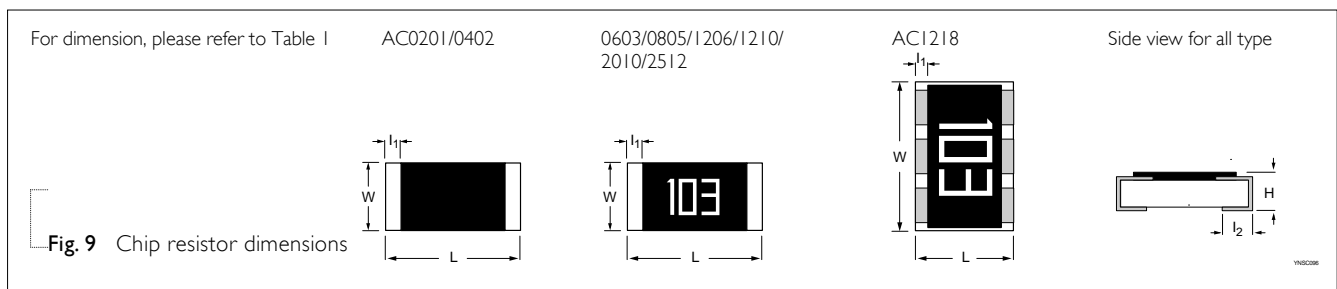
**OUTLINES**



**DIMENSIONS**

Table I For outlines, please refer to Fig. 9

TYPE	L (mm)	W (mm)	H (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)
AC0201	0.60 ±0.03	0.30 ±0.03	0.23 ±0.03	0.12 ±0.05	0.15 ±0.05
AC0402	1.00 ±0.05	0.50 ±0.05	0.32 ±0.05	0.20 ±0.10	0.25 ±0.10
AC0603	1.60 ±0.10	0.80 ±0.10	0.45 ±0.10	0.25 ±0.15	0.25 ±0.15
AC0805	2.00 ±0.10	1.25 ±0.10	0.50 ±0.10	0.35 ±0.20	0.35 ±0.20
AC1206	3.10 ±0.10	1.60 ±0.10	0.55 ±0.10	0.45 ±0.20	0.45 ±0.20
AC1210	3.10 ±0.10	2.60 ±0.15	0.55 ±0.10	0.45 ±0.15	0.50 ±0.20
AC1218	3.10 ±0.10	4.60 ±0.10	0.55 ±0.10	0.45 ±0.20	0.40 ±0.20
AC2010	5.00 ±0.10	2.50 ±0.15	0.55 ±0.10	0.55 ±0.15	0.55 ±0.20
AC2512	6.35 ±0.10	3.10 ±0.15	0.55 ±0.10	0.60 ±0.20	0.60 ±0.20



**ELECTRICAL CHARACTERISTICS**

Table 2

TYPE	POWER	CHARACTERISTICS						
		Operating Temperature Range	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Resistance Range	Temperature Coefficient	Jumper Criteria
AC0201	1/20 W	-55 °C to 155 °C	25V	50V	50V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 10 M Ω	-100/+350 ppm °C	0.5A
AC0201	1/20 W	-55 °C to 155 °C	25V	50V	50V	1% (E24/E96)	10 Ω < R ≤ 10 M	Maximum
						1 Ω ≤ R ≤ 10 M Ω	±200 ppm °C	Current
						0.5% (E24/E96)		1.0A
						10 Ω ≤ R ≤ 1 M Ω		
AC0402	1/16 W	-55 °C to 155 °C	50V	100V	100V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 22 M Ω	±200 ppm °C	1A
						0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 M Ω	Maximum
						1 Ω ≤ R ≤ 10 M Ω	±100 ppm °C	Current
AC0402	1/16 W	-55 °C to 155 °C	50V	100V	100V	Jumper < 50 m Ω	10 M Ω < R ≤ 22 M Ω	2A
							±200 ppm °C	
AC0603	1/8 W	-55 °C to 155 °C	75V	100V	100V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 10 M Ω	±200 ppm °C	1A
						0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 M Ω	Maximum
						1 Ω ≤ R ≤ 10 M Ω	±100 ppm °C	Current
AC0603	1/10 W	-55 °C to 155 °C	75V	150V	150V	Jumper < 50 m Ω	10 M Ω < R ≤ 22 M Ω	2A
							±200 ppm °C	
						5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 22 M Ω	±200 ppm °C	1A
AC0603	1/10 W	-55 °C to 155 °C	75V	150V	150V	0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 M Ω	Maximum
						1 Ω ≤ R ≤ 10 M Ω	±100 ppm °C	Current
						Jumper < 50 m Ω	10 M Ω < R ≤ 22 M Ω	2A
AC0603	1/5 W	-55 °C to 155 °C	75V	150V	150V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 10 M Ω	±200 ppm °C	1A
						0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 M Ω	Maximum
AC0603	1/5 W	-55 °C to 155 °C	75V	150V	150V	1 Ω ≤ R ≤ 10 M Ω	±100 ppm °C	Current

TYPE	POWER	CHARACTERISTICS						
		Operating Temperature Range	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Resistance Range	Temperature Coefficient	Jumper Criteria
AC0805	1/8 W	-55 °C to 155 °C	150V	300V	300V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 22 MΩ	±200ppm°C	2A
AC0805	1/8 W	-55 °C to 155 °C	150V	300V	300V	0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 MΩ	Maximum Current
						1 Ω ≤ R ≤ 10 MΩ	±100ppm°C	5A
AC0805	1/8 W	-55 °C to 155 °C	150V	300V	300V	Jumper < 50mΩ	10 MΩ < R ≤ 22 MΩ	
							±200ppm°C	
AC1206	1/4 W	-55 °C to 155 °C	150V	300V	300V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 10 MΩ	±200 ppm°C	2A
AC1206	1/4 W	-55 °C to 155 °C	200V	400V	500V	0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 MΩ	Maximum Current
						1 Ω ≤ R ≤ 10 MΩ	±100ppm°C	10A
AC1206	1/4 W	-55 °C to 155 °C	200V	400V	500V	Jumper < 50mΩ	10 MΩ < R ≤ 22 MΩ	
							±200ppm°C	
AC1206	1/2 W	-55 °C to 155 °C	200V	400V	500V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 10 MΩ	±200 ppm°C	2A
AC1206	1/2 W	-55 °C to 155 °C	200V	400V	500V	0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 MΩ	Maximum Current
						1 Ω ≤ R ≤ 10 MΩ	±100 ppm°C	10A
AC1206	1/2 W	-55 °C to 155 °C	200V	400V	500V	Jumper < 50mΩ	10 MΩ < R ≤ 22 MΩ	
							±200ppm°C	
AC1210	1 W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	1 Ω ≤ R ≤ 10 Ω	Rated Current
						1 Ω ≤ R ≤ 10 MΩ	±200 ppm°C	2A
AC1210	1 W	-55 °C to 155 °C	200V	500V	500V	0.5%, 1% (E24/E96)	10 Ω < R ≤ 10 MΩ	Maximum Current
						1 Ω ≤ R ≤ 10 MΩ	±100 ppm°C	10A
AC1210	1 W	-55 °C to 155 °C	200V	500V	500V	Jumper < 50mΩ	10 MΩ < R ≤ 22 MΩ	
							±200ppm°C	

TYPE	POWER	CHARACTERISTICS						
		Operating Temperature Range	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Resistance Range	Temperature Coefficient	Jumper Criteria
AC1218	1 W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	$1\Omega \leq R \leq 10\Omega$	Rated Current
						$1\Omega \leq R \leq 1M\Omega$	$\pm 200\text{ppm}^\circ\text{C}$	6A
						0.5%, 1% (E24/E96)	$10\Omega < R \leq 1M\Omega$	Maximum Current
AC1210	1.5W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	$1\Omega \leq R \leq 10\Omega$	Rated Current
						$1\Omega \leq R \leq 1M\Omega$	$\pm 200\text{ppm}^\circ\text{C}$	2A
						0.5%, 1% (E24/E96)	$10\Omega < R \leq 1M\Omega$	Maximum Current
AC2010	3/4 W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	$1\Omega \leq R \leq 10\Omega$	Rated Current
						$1\Omega \leq R \leq 22M\Omega$	$\pm 200\text{ppm}^\circ\text{C}$	2A
						0.5%, 1% (E24/E96)	$10\Omega < R \leq 10M\Omega$	Maximum Current
AC2012	1.25W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	$1\Omega \leq R \leq 10\Omega$	Rated Current
						$1\Omega \leq R \leq 10M\Omega$	$\pm 200\text{ppm}^\circ\text{C}$	2A
						0.5%, 1% (E24/E96)	$10\Omega < R \leq 10M\Omega$	Maximum Current
AC2512	1 W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	$1\Omega \leq R \leq 10\Omega$	Rated Current
						$1\Omega \leq R \leq 22M\Omega$	$\pm 200\text{ppm}^\circ\text{C}$	2A
						0.5%, 1% (E24/E96)	$10\Omega < R \leq 10M\Omega$	Maximum Current
AC2510	2 W	-55 °C to 155 °C	200V	500V	500V	5% (E24)	$1\Omega \leq R \leq 10\Omega$	Rated Current
						$1\Omega \leq R \leq 10M\Omega$	$\pm 200\text{ppm}^\circ\text{C}$	2A
						0.5%, 1% (E24/E96)	$10\Omega < R \leq 10M\Omega$	Maximum Current

**FOOTPRINT AND SOLDERING PROFILES**

Recommended footprint and soldering profiles of AC-series is the same as RC-series. Please refer to data sheet “Chip resistors mounting”.

**PACKING STYLE AND PACKAGING QUANTITY**

Table 3 Packing style and packaging quantity

PACKING STYLE	REEL DIMENSION	AC0201	AC0402	AC0603	AC0805	AC1206	AC1210	AC1218	AC2010	AC2512
Paper taping reel (R)	7" (178 mm)	10,000	10,000	5,000	5,000	5,000	5,000	---	---	---
	10" (254 mm)	20,000	20,000	10,000	10,000	10,000	10,000	---	---	---
	13" (330 mm)	50,000	50,000	20,000	20,000	20,000	20,000	---	---	---
Embossed taping reel (K)	7" (178 mm)	---	---	---	---	---	---	4,000	4,000	4,000

**NOTE**

I. For paper/embossed tape and reel specifications/dimensions, please refer to data sheet “Chip resistors packing”.

**FUNCTIONAL DESCRIPTION**

**OPERATING TEMPERATURE RANGE**

Range: -55 °C to +155 °C

**POWER RATING**

Each type rated power at 70 °C:

- AC0201=1/20W (0.05W)
- AC0402=1/16W (0.0625W); 1/8W (0.125W)
- AC0603=1/10W (0.1W); 1/5W (0.2W)
- AC0805=1/8W (0.125W); 1/4 W(0.25 W)
- AC1206=1/4W (0.25W); 1/2 W (0.5 W)
- AC1210=1/2W (0.5W); 1W
- AC1218=1W; 1.5W
- AC2010=3/4W (0.75W); 1.25W
- AC2512=1 W; 2W

**RATED VOLTAGE**

The DC or AC (rms) continuous working voltage corresponding to the rated power is determined by the following formula:

$$V = \sqrt{P \times R}$$

Or Maximum working voltage whichever is less

Where

V = Continuous rated DC or AC (rms) working voltage (V)

P = Rated power (W)

R = Resistance value (Ω)

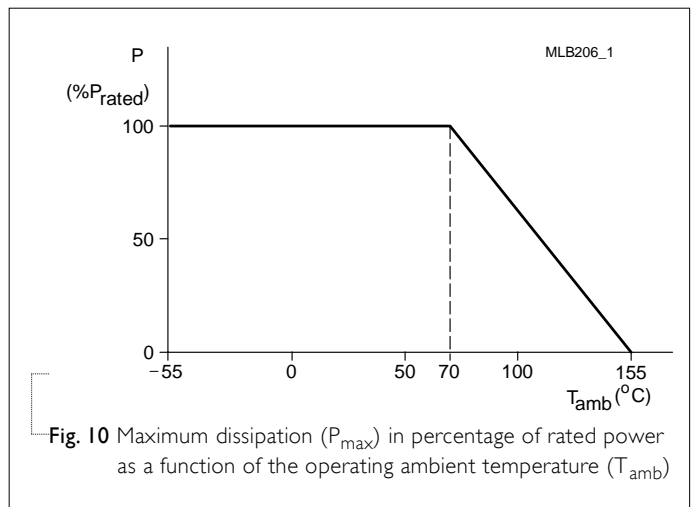


Fig. 10 Maximum dissipation (P<sub>max</sub>) in percentage of rated power as a function of the operating ambient temperature (T<sub>amb</sub>)



## TESTS AND REQUIREMENTS

Table 4 Test condition, procedure and requirements

TEST	TEST METHOD	PROCEDURE	REQUIREMENTS
High Temperature Exposure	AEC-Q200 Test 3 MIL-STD-202 Method 108	1,000 hours at $T_A = 155\text{ }^\circ\text{C}$ , unpowered	$\pm(1.0\%+0.05\Omega)$ for D/F tol $\pm(2.0\%+0.05\Omega)$ for J tol <50 m $\Omega$ for Jumper
Moisture Resistance	AEC-Q200 Test 6 MIL-STD-202 Method 106	Each temperature / humidity cycle is defined at 8 hours (method 106F), 3 cycles / 24 hours for 10d. with $25\text{ }^\circ\text{C}$ / $65\text{ }^\circ\text{C}$ 95% R.H, without steps 7a & 7b, unpowered	$\pm(0.5\%+0.05\Omega)$ for D/F tol $\pm(2.0\%+0.05\Omega)$ for J tol <100 m $\Omega$ for Jumper
Biased Humidity	AEC-Q200 Test 7 MIL-STD-202 Method 103	1,000 hours; $85\text{ }^\circ\text{C}$ / 85% RH 10% of operating power Measurement at $24\pm 4$ hours after test conclusion.	$\pm(1.0\%+0.05\Omega)$ for D/F tol $\pm(3.0\%+0.05\Omega)$ for J tol <100 m $\Omega$ for Jumper
Operational Life	AEC-Q200 Test 8 MIL-STD-202 Method 108	1,000 hours at $125\text{ }^\circ\text{C}$ , derated voltage applied for 1.5 hours on, 0.5 hour off, still-air required	$\pm(1.0\%+0.05\Omega)$ for D/F tol $\pm(3.0\%+0.05\Omega)$ for J tol <100 m $\Omega$ for Jumper
Resistance to Soldering Heat	AEC-Q200 Test 15 MIL-STD-202 Method 210	Condition B, no pre-heat of samples Lead-free solder, $260\pm 5\text{ }^\circ\text{C}$ , $10\pm 1$ seconds immersion time Procedure 2 for SMD: devices fluxed and cleaned with isopropanol	$\pm(0.5\%+0.05\Omega)$ for D/F tol $\pm(1.0\%+0.05\Omega)$ for J tol <50 m $\Omega$ for Jumper No visible damage
Thermal Shock	AEC-Q200 Test 16 MIL-STD-202 Method 107	$-55/+125\text{ }^\circ\text{C}$ Number of cycles is 300. Devices mounted Maximum transfer time is 20 seconds. Dwell time is 15 minutes. Air – Air	$\pm(0.5\%+0.05\Omega)$ for D/F tol $\pm(1.0\%+0.05\Omega)$ for J tol <50 m $\Omega$ for Jumper
ESD	AEC-Q200 Test 17 AEC-Q200-002	Human Body Model, 1 <sub>pos.</sub> + 1 <sub>neg.</sub> discharges 0201: 500V 0402/0603: 1KV 0805 and above: 2KV	$\pm(3.0\%+0.05\Omega)$ <50 m $\Omega$ for Jumper

TEST	TEST METHOD	PROCEDURE	REQUIREMENTS
Solderability - Wetting	AEC-Q200 Test I8 J-STD-002	Electrical Test not required Magnification 50X SMD conditions: (a) Method B, aging 4 hours at 155 °C dry heat, dipping at 235±3 °C for 5±0.5 seconds. (b) Method B, steam aging 8 hours, dipping at 215±3 °C for 5±0.5 seconds. (c) Method D, steam aging 8 hours, dipping at 260±3 °C for 30±0.5 seconds.	Well tinned (≥95% covered) No visible damage
Board Flex	AEC-Q200 Test 21 AEC-Q200-005	Chips mounted on a 90mm glass epoxy resin PCB (FR4) Bending for 0201/0402: 5 mm 0603/0805: 3 mm 1206 and above: 2 mm Holding time: minimum 60 seconds	±(1.0%+0.05Ω) <50 mΩ for Jumper
Temperature Coefficient of Resistance (T.C.R.)	MIL-STD-202 Method 304	At +25/-55 °C and +25/+125 °C  <b>Formula:</b> $T.C.R = \frac{R_2 - R_1}{R_1(t_2 - t_1)} \times 10^6 \text{ (ppm/°C)}$ Where t <sub>1</sub> =+25 °C or specified room temperature t <sub>2</sub> =-55 °C or +125 °C test temperature R <sub>1</sub> =resistance at reference temperature in ohms R <sub>2</sub> =resistance at test temperature in ohms	Refer to table 2
Short Time Overload	IEC60115-1 4.13	2.5 times of rated voltage or maximum overload voltage whichever is less for 5 sec at room temperature	±(1.0%+0.05Ω) for D/F tol ±(2.0%+0.05Ω) for J tol <50 mΩ for Jumper
FOS	ASTM-B-809-95	Sulfur (saturated vapor) 500 hours, 60±2°C, unpowered	±(1.0%+0.05Ω)

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 9	Aug. 02, 2022	-	- I2 dimension updated, for size 1206, size 2010, size 2512.
Version 8	Mar. 19, 2021	-	- Upgrade the working voltage of 0402 double power to 75V
Version 7	July 10, 2017	-	- Add "3W" part number coding for 13" Reel & double power
Version 6	May 31, 2017	-	- Add 10" packing
Version 5	Dec. 07, 2015	-	- Add in AC double power
Version 4	May 25, 2015	-	- Remove 7D packing - Extend resistance range - Add in AC0201 - Update FOS test and requirements
Version 3	Feb 13, 2014	-	- Feature description updated - add $\pm 0.5\%$ - delete 10" taping reel
Version 2	Feb. 10, 2012	-	- Jumper criteria added - AC1218 marking and outline figure updated
Version 1	Feb. 01, 2011	-	- Case size 1210, 1218, 2010, 2512 extended - Test method and procedure updated - Packing style of 7D added
Version 0	Nov. 10, 2010	-	- First issue of this specification

## LEGAL DISCLAIMER

YAGEO, its distributors and agents (collectively, "YAGEO"), hereby disclaims any and all liabilities for any errors, inaccuracies or incompleteness contained in any product related information, including but not limited to product specifications, datasheets, pictures and/or graphics. YAGEO may make changes, modifications and/or improvements to product related information at any time and without notice.

YAGEO makes no representation, warranty, and/or guarantee about the fitness of its products for any particular purpose or the continuing production of any of its products. To the maximum extent permitted by law, YAGEO disclaims (i) any and all liability arising out of the application or use of any YAGEO product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for a particular purpose, non-infringement and merchantability.

YAGEO statements regarding the suitability of products for certain types of applications are based on YAGEO's knowledge of typical operating conditions for such types of applications in a generic nature. Such statements are neither binding statements of YAGEO nor intended to constitute any warranty concerning the suitability for a specific customer application or use. They are intended for use only by customers with requisite knowledge and experience for determining whether YAGEO products are the correct products for their application or use. In addition, unpredictable and isolated cases of product failure may still occur, therefore, customer application or use of YAGEO products which requires higher degree of reliability or safety, shall employ additional protective safeguard measures to ensure that product failure would not result in personal injury or property damage.

YAGEO products are not designed for application or use in medical, life-saving, or life-sustaining devices or for any other application or use in which the failure of YAGEO products could result in personal injury or death. Customers using or selling YAGEO products not expressly indicated for above-mentioned purposes shall do so at their own risk and agree to fully indemnify YAGEO and hold YAGEO harmless.

Information provided here is intended to indicate product specifications only. YAGEO reserves all the rights for revising this content without further notification, as long as products are unchanged. Any product change will be announced by PCN.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## YAGEO:

[AC0201FR-07270KL](#) [AC0201FR-07270RL](#) [AC0201FR-07274KL](#) [AC0201FR-07274RL](#) [AC0201FR-07280KL](#)  
[AC0201FR-07287KL](#) [AC0201FR-07294RL](#) [AC0201FR-07294RL](#) [AC0201FR-07294RL](#) [AC0201FR-072K15L](#) [AC0201FR-072K26L](#)  
[AC0201FR-072K37L](#) [AC0201FR-072K43L](#) [AC0201FR-072K55L](#) [AC0201FR-072K74L](#) [AC0201FR-072K87L](#)  
[AC0201FR-072R2L](#) [AC0201FR-072RL](#) [AC0201FR-07300RL](#) [AC0201FR-0730RL](#) [AC0201FR-0731K6L](#) [AC0201FR-](#)  
[0731R6L](#) [AC0201FR-0732K4L](#) [AC0201FR-0733K2L](#) [AC0201FR-07348RL](#) [AC0201FR-0734K8L](#) [AC0201FR-0734KL](#)  
[AC0201FR-0734RL](#) [AC0201FR-07357RL](#) [AC0201FR-0735K7L](#) [AC0201FR-0735R7L](#) [AC0201FR-07360KL](#)  
[AC0201FR-07360RL](#) [AC0201FR-07365RL](#) [AC0201FR-0736K5L](#) [AC0201FR-07374KL](#) [AC0201FR-0737K4L](#)  
[AC0201FR-0737R4L](#) [AC0201FR-07383KL](#) [AC0201FR-07392RL](#) [AC0201FR-0739K2L](#) [AC0201FR-0739R2L](#)  
[AC0201FR-073K09L](#) [AC0201FR-073K16L](#) [AC0201FR-073K24L](#) [AC0201FR-073K4L](#) [AC0201FR-073K57L](#)  
[AC0201FR-073ML](#) [AC0201FR-073R32L](#) [AC0201FR-073R9L](#) [AC0201FR-0742K2L](#) [AC0201FR-07430RL](#) [AC0201FR-](#)  
[07432RL](#) [AC0201FR-0743K2L](#) [AC0201FR-0743KL](#) [AC0201FR-0743R2L](#) [AC0201FR-0743RL](#) [AC0201FR-0745K3L](#)  
[AC0201FR-0745R3L](#) [AC0201FR-07464KL](#) [AC0201FR-07475KL](#) [AC0201FR-07475RL](#) [AC0201FR-0747R5L](#)  
[AC0201FR-0748K7L](#) [AC0201FR-074K12L](#) [AC0201FR-074K22L](#) [AC0201FR-074K32L](#) [AC0201FR-074K3L](#)  
[AC0201FR-074K53L](#) [AC0201FR-074K64L](#) [AC0201FR-074R7L](#) [AC0201FR-074R99L](#) [AC0201FR-07511RL](#)  
[AC0201FR-07523KL](#) [AC0201FR-0752K3L](#) [AC0201FR-07536KL](#) [AC0201FR-0753K6L](#) [AC0201FR-07549KL](#)  
[AC0201FR-07562KL](#) [AC0201FR-07562RL](#) [AC0201FR-0756R2L](#) [AC0201FR-0756RL](#) [AC0201FR-0757K6L](#)  
[AC0201FR-0757R6L](#) [AC0201FR-0759KL](#) [AC0201FR-0759RL](#) [AC0201FR-075K36L](#) [AC0201FR-075K76L](#)  
[AC0201FR-075R1L](#) [AC0201FR-075R6L](#) [AC0201FR-07619KL](#) [AC0201FR-07619RL](#) [AC0201FR-0761K9L](#)  
[AC0201FR-07620KL](#) [AC0201FR-0762KL](#) [AC0201FR-07634KL](#) [AC0201FR-0763K4L](#) [AC0201FR-07649KL](#)  
[AC0201FR-07665KL](#) [AC0201FR-07680KL](#) [AC0201FR-07680RL](#)