

Thick Film Chip Resistor ACTS Series

**Automotive
AEC-Q200**

RoHS Compliant
Halogen Free
REACH Compliant



Thick Film

High Reliability

Anti Sulfurated

Part Numbering

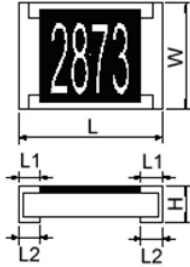
A	CTS	00	0805	-	1002	F	TP
Grade	Product Series	Control Code	Dimensions Code (inch)	Special Code	Nominal Resistance	Tolerance	Taping Code
			0201 0.6x0.3x0.23		4.7Ω 4R7X	F ±1%	TH (10000PCS) : 0201-0402
			0402 1.0x0.5x0.3		10.2Ω 10R2	J ±5%	TP (5000PCS) : 0603-1210
			0603 1.6x0.8x0.45		10KΩ 1002		TE (4000PCS) : 2010-2512
			0805 2.0x1.25x0.5				
			1206 3.05x1.55x0.5				
			1210 3.05x2.55x0.55				
			2010 5.0x2.5x0.6				
			2512 6.3x3.2x0.6				

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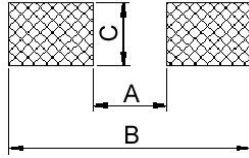
ACTS Type

■ Dimensions



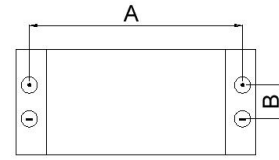
unit:mm

■ Recommended Land Patte



unit:mm

■ Measurement Point



⊕ Current Terminal
⊖ Voltage Terminal

unit:mm

Type	Dimensions					Recommended Land Pattern			Measurement Point	
	L	W	H	L1	L2	A	B	C	A ±0.05	B ±0.05
ACTS000201	0.60±0.03	0.30±0.03	0.23±0.03	0.10±0.05	0.15±0.05	0.3	1	0.4	0.44	0.22
ACTS000402	1.00±0.10	0.50±0.05	0.30±0.05	0.20±0.10	0.25±0.10	0.5	1.5	0.6	0.8	0.24
ACTS000603	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.15	0.30±0.15	0.8	2.1	0.9	1.35	0.35
ACTS000805	2.00±0.10	1.25±0.10	0.50±0.10	0.35±0.20	0.35±0.20	1.2	3	1.3	1.8	0.35
ACTS001206	3.05±0.10	1.55±0.10	0.50±0.10	0.45±0.20	0.35±0.20	2.2	4.2	1.6	2.9	0.35
ACTS001210	3.05±0.10	2.55±0.10	0.55±0.10	0.50±0.20	0.50±0.20	2.2	4.2	2.8	2.9	0.35
ACTS002012	5.00±0.20	2.50±0.20	0.60±0.10	0.65±0.20	0.65±0.20	3.5	6.1	2.8	4.5	1.15
ACTS002512	6.30±0.20	3.20±0.20	0.60±0.10	0.65±0.20	0.65±0.20	3.8	8	3.5	5.9	1.6

Electrical Characteristics Resistance Range:

Type	Rated Power at 70°C (W)	Working Voltage (V) Max.	Overload Voltage (V) Max.	T.C.R (ppm/°C)	Resistance Range (Ω)		JUMPER Rated Current (A)		JUMPER Resistance Value (mΩ) Max.	
					±0.5%	±1%, ±5%	±1%	±5%	±1%	±5%
					E-24 · E-96	E-24 · E-96				
ACTS000201	1/20	25	50	-200+400	1 ≤ R < 10	1 ≤ R < 10	0.5	0.5	50	100
				±200	10 ≤ R ≤ 10M	10 ≤ R < 10M				
ACTS000402	1/16	50	100	±100	10 ≤ R ≤ 1M	10 ≤ R < 22M	1.5	1	50	100
				±200	-	1 ≤ R < 10				
ACTS000603	1/10	75	150	±100	10 ≤ R ≤ 1M	10 ≤ R < 22M	2	1	50	100
				±200	1 ≤ R < 10	1 ≤ R < 10				
ACTS000805	1/8	150	300	±100	10 ≤ R ≤ 1M	10 ≤ R < 27M	2.5	2	50	100
				±200	1 ≤ R < 10	1 ≤ R < 10				
ACTS001206	1/4	200	400	±100	10 ≤ R ≤ 1M	10 ≤ R < 27M	3.5	2	50	100
				±200	1 ≤ R < 10	1 ≤ R < 10				
ACTS001210	1/2	200	400	±100	10 ≤ R ≤ 1M	10 ≤ R < 27M	4	2	50	100
				±200	1 ≤ R < 10	1 ≤ R < 10				
ACTS002010	3/4	200	400	±100	10 ≤ R ≤ 1M	10 ≤ R < 20M	5	2	50	100
				±200	1 ≤ R < 10	1 ≤ R < 10				
ACTS002512	1	200	400	±100	10 ≤ R ≤ 1M	10 ≤ R < 20M	7	2	50	100
				±200	1 ≤ R < 10	1 ≤ R < 10				
Operating Temperature Range				-55°C ~ +155°C (0201:-55°C ~ +125°C)						

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