

Thick Film Chip Resistor ACTA Series

**Automotive
AEC-Q200**

RoHS Compliant
Halogen Free
REACH Compliant



Metal Alloy

Thick Film

High
Reliability

Part Numbering

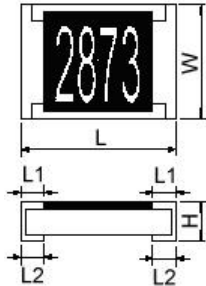
A	CTA	00	0402	-	10R2	F	TP
Grade	Product Series	Control Code	Dimensions Code (inch)	Special Code	Nominal Resistance	Tolerance	Taping Code
			0201 0.6x0.3x0.23		10Ω 100X	B ±0.1%	TH (10000PCS) : 0201~040
			0402 1.0x0.5x0.3		10.2Ω 10R2	D ±0.5%	TP (5000PCS) : 0603~1210
			0603 1.6x0.8x0.45		10KΩ 1002	F ±1%	TE (4000PCS) : 2010~2512
			0805 2.0x1.25x0.5			G ±2%	
			1206 3.05x1.55x0.55			J ±5%	
			2010 5.0x2.5x0.55				
			2512 6.3x3.2x0.55				

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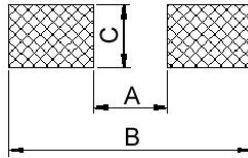
ACTA Type

■ Dimensions



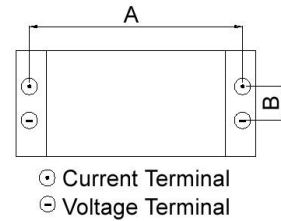
unit:mm

■ Recommended Land Pattern



unit:mm

■ Measurement Point



unit:mm

Type	Dimensions					Recommended Land Pattern			Measurement Point	
	L	W	H	L1	L2	A	B	C	A ±0.05	B ±0.05
ACTA000201	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
ACTA000402	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
ACTA000603	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
ACTA000805	2.00±0.10	1.25±0.10	0.50±0.10	0.35±0.20	0.35±0.15	1.2	3	1.3	1.8	0.35
ACTA001206	3.05±0.10	1.55±0.10	0.50±0.10	0.45±0.20	0.35±0.15	2.2	4.2	1.6	2.9	0.35
ACTA001210	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
ACTA002012	5.00±0.20	2.50±0.20	0.55±0.10	0.60±0.20	0.60±0.20	3.5	6.1	2.8	4.5	1.15
ACTA002512	6.30±0.20	3.20±0.20	0.55±0.10	0.60±0.20	0.60±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.	
					±0.1%	±0.5%	±1%	±2%,±5%	±5%	±1%	±5%	±1%
					E-24、E-96	E-24、E-96	E-24、E-96	E-24				
ACTA000201	1/20	25	50	-200+400	-	1≤R<10	1≤R<10	1≤R<10	0.5	-	50	35
				±200	47≤R≤1M	10≤R≤10M	10≤R≤10M	10≤R≤10M				
ACTA000402	1/16	50	100	±100	100≤R≤1M	10≤R≤1M	10≤R≤22M	10≤R≤22M	1	-	50	20
				±200	-	-	1≤R<10	1≤R<10				
ACTA000603	1/10	75	150	±100	100≤R≤1M	10≤R≤1M	10≤R≤22M	10≤R≤22M	1	-	50	20
				±200	-	1≤R<10	1≤R<10	1≤R<10				
ACTA000805	1/8	150	300	±100	100≤R≤1M	10≤R≤10M	10≤R≤27M	10≤R≤27M	2	2.5	50	20
				±200	-	1≤R<10	1≤R<10	1≤R<10				
ACTA001206	1/4	200	400	±100	10≤R≤1M	10≤R≤10M	10≤R≤27M	10≤R≤27M	2	3.5	50	20
				±200	3≤R<10	1≤R<10	1≤R<10	1≤R<10				
ACTA001210	1/2	200	400	±100	100≤R≤1M	10≤R≤10M	10≤R≤27M	10≤R≤27M	2	4	50	20
				±200	-	-	1≤R<10	1≤R<10				
ACTA002010	1	200	400	±100	100≤R≤1M	10≤R≤10M	10≤R≤20M	10≤R≤20M	2	7	50	20
				±200	-	-	1≤R<10	1≤R<10				
ACTA002512	1	200	400	±100	100≤R≤1M	10≤R≤10M	10≤R≤20M	10≤R≤20M	2	7	50	20
				±200	-	-	1≤R<10	1≤R<10				
Operating Temperature Range					-55°C ~ +155°C (0201:-55°C ~ +125°C)							

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