

**Chip Resistor ACTH Series**

**Automotive  
AEC-Q200**

RoHS Compliant  
Halogen Free  
REACH Compliant



High  
Power

Thick Film

**Part Numbering**

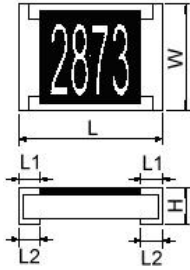
A	CTH	00	1206	-	10R2	F	TP
Grade	Product Series	Control Code	Dimensions Code (inch)	Special Code	Nominal Resistance	Tolerance	Taping Code
			0402 1.0x0.5x0.3		0.1Ω R100	D ±0.5%	TH (10000PCS) : 0402
			0603 1.6x0.8x0.45		10.2Ω 10R2	F ±1%	TP (5000PCS) : 0603-1210
			0805 2.0x1.25x0.5		10KΩ 1002	J ±5%	TE (4000PCS) : 2010-2512
			1206 3.05x1.55x0.5				
			1210 3.05x2.55x0.55				
			2010 4.95x2.45x0.7				
			2512 6.4x3.2x0.7				

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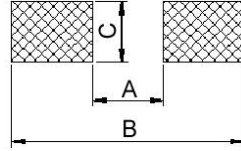
**ACTH Type**

**■ Dimensions**



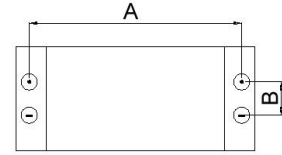
unit:mm

**■ Recommended Land Pattern**



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
ACTH000402	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
ACTH000603	1.55±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
ACTH000805	2.00±0.10	1.25±0.10	0.50±0.10	0.35±0.20	0.35±0.20	1.2	3.0	1.3	1.8	0.35
ACTH001206	3.05±0.10	1.55±0.10	0.50±0.10	0.45±0.20	0.65±0.25	2.2	4.2	1.6	2.9	0.35
ACTH001210	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
ACTH002010	4.95±0.10	2.45±0.10	0.70±0.10	0.65±0.20	0.70±0.20	3.5	6.1	2.8	4.5	1.15
ACTH002512	6.40±0.20	3.20±0.20	0.70±0.10	0.72±0.20	0.69±0.20	3.8	8.0	3.5	5.9	1.60

**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)		
					±0.5% E-24、E-96	±1% E-24、E-96	±5% E-24
ACTH000402	1/10	75	100	±100	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 20M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
ACTH000603	1/4	75	150	±150	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 20M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
ACTH000805	2/5	150	300	±100	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 20M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
ACTH001206	1/2	150	400	±100	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 20M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
ACTH001210	3/4	200	400	±100	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 20M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
ACTH002010	1	200	400	±100	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 10M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
ACTH002512	2	200	400	±100	10 ≤ R < 1M	10 ≤ R < 10M	10 ≤ R < 10M
				±200	-	1 ≤ R < 10	1 ≤ R < 10
Operating Temperature Range					-55°C ~ +155°C		

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