

Chip Resistor ACTW Series

**Automotive
AEC-Q200**

RoHS Compliant
Halogen Free
REACH Compliant



Wire
Terminal

Thick Film

Part Numbering

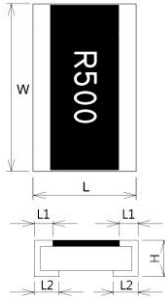
A	CTW	00	1218	-	10R2	F	TP
Grade	Product Series	Control Code	Dimensions Code (inch)	Special Code	Nominal Resistance	Tolerance	Taping Code
			0508 1.2x2x0.5		10Ω 100X	D ±0.5%	TP 5000PCS
			0612 1.6x3.2x0.55		10.2Ω 10R2	F ±1%	TE 4000PCS
			1218 3.1x4.6x0.55		10KΩ 1002	J ±5%	
			1020 2.5x5x0.55				
			1225 3.2x6.4x0.55				

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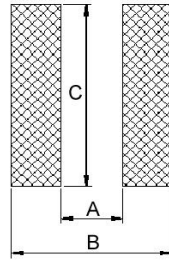
ACTW Type

■ Dimensions



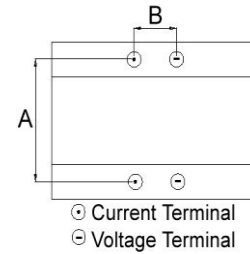
unit:mm

■ 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
ACTW000508	1.20±0.10	2.00±0.10	0.50±0.10	0.20±0.10	0.20±0.15	0.6	2.2	2.3	1.05	0.78
ACTW000612	1.60±0.20	3.20±0.20	0.55±0.10	0.35±0.15	0.25±0.15	0.7	2.6	3.5	1.35	1.3
ACTW001218	3.10±0.10	4.60±0.20	0.55±0.10	0.45±0.25	0.40±0.20	1.9	4.1	4.9	2.8	2.0
ACTW001020	2.50±0.20	5.00±0.20	0.55±0.10	0.25±0.20	0.90±0.20	0.5	3.5	5.3	2.1	2.4
ACTW001225	3.20±0.20	6.40±0.20	0.55±0.10	0.45±0.20	0.75±0.20	1.3	4.2	6.4	2.9	3.0

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%	±5%	±1%	±5%	±1%
					E-24 · E-96	E-24				
ACTW000508	1/3	150	200	±200	1 ≤ R < 10	1 ≤ R < 10	2.5	4	50	20
				±100	10 ≤ R ≤ 1M	10 ≤ R ≤ 1M				
ACTW000612	3/4	200	400	±200	1 ≤ R < 10	1 ≤ R < 10	3	5	50	20
				±100	10 ≤ R ≤ 1M	10 ≤ R ≤ 1M				
ACTW001218	1	250	500	±200	1 ≤ R < 10	1 ≤ R < 10	2	7	50	20
				±100	10 ≤ R ≤ 1M	10 ≤ R ≤ 1M				
ACTW001020	1	200	400	±200	1 ≤ R < 10	1 ≤ R < 10	2	7	50	20
				±100	10 ≤ R ≤ 1M	10 ≤ R ≤ 1M				
ACTW001225	2	200	400	±200	1 ≤ R < 10	1 ≤ R < 10	2	8.5	50	20
				±100	10 ≤ R ≤ 1M	10 ≤ R ≤ 1M				
Operating Temperature Range				-55°C ~ +155°C						

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