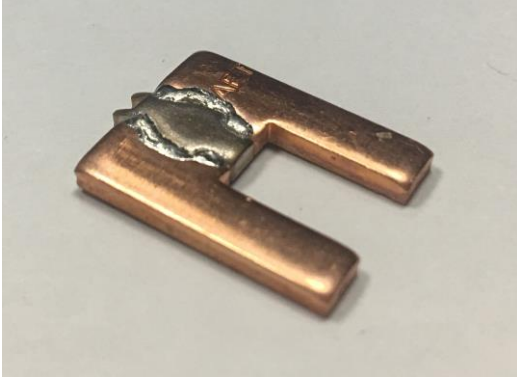




Meter Shunt Resistor, Very Low Value (down to 0.00006 Ohms)



FEATURES

- Ultra high power to resistor size ratio
- 4-terminal (Kelvin) connection design
- Proprietary processing technique produces extremely low resistance values
- All welded construction
- Very low inductance (< 0.5 nH)



RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS						
MODEL	SIZE	POWER RATING $P_{70^\circ\text{C}}$ W	TOLERANCE %	RESISTANCE VALUE RANGE Ω	RESISTANCE VALUES CURRENTLY AVAILABLE ⁽¹⁾ Ω	WEIGHT (typical) g/1000 pieces
TM14001	1400	5.0	+/-6.0	60 μ	60 μ	3290 DIP
				Total Resistance (2) DIP1 < 160 μ		

Note

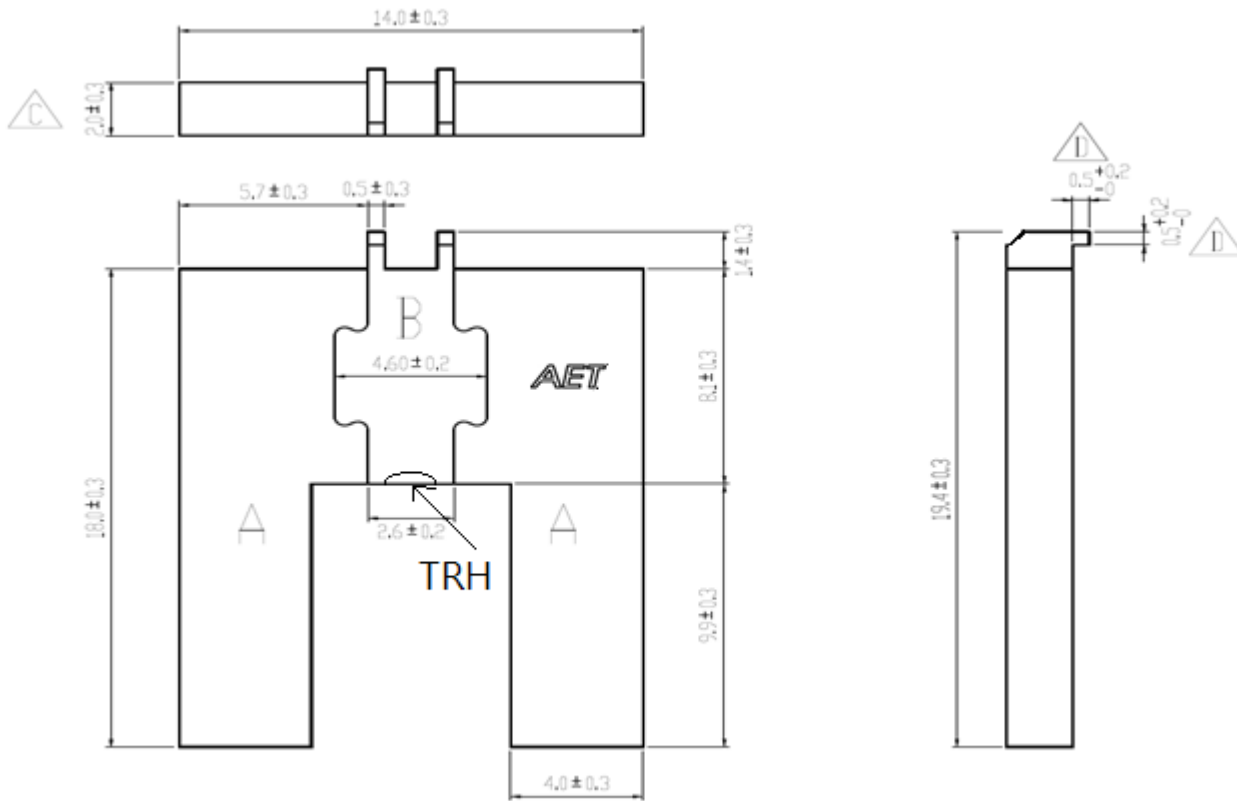
- (1) Other values may be available, contact factory
- (2) See drawing for test condition
- (3) Test circuit

TECHNICAL SPECIFICATIONS		
PARAMETER	UNIT	RESISTOR CHARACTERISTICS
Temperature Coefficient	ppm/ $^\circ\text{C}$	400
Operating Temperature Range	$^\circ\text{C}$	- 50 to +150
Maximum Current Rating	A	$(P/R)^{1/2}$

PART NUMBER INFORMATION																
PART NUMBERING: TM14001-M0600JP2D (TM14001, 0.00006 Ω , $\pm 6\%$)@25 $^\circ\text{C}$ (A2E02A)																
T	M	1	4	0	0	1	-	M	0	6	0	0	J	P	2	D
MODEL		RESISTANCE VALUE				TOLERANCE CODE		PACKAGING CODE				SPECIAL				
TM14001		M = m Ω M0600 = 0.000060 Ω				J = $\pm 6.0\%$		P = DIP1 S=SMD M = DIP2 L=DIP3 I = DIP4				CONTACT DOT				



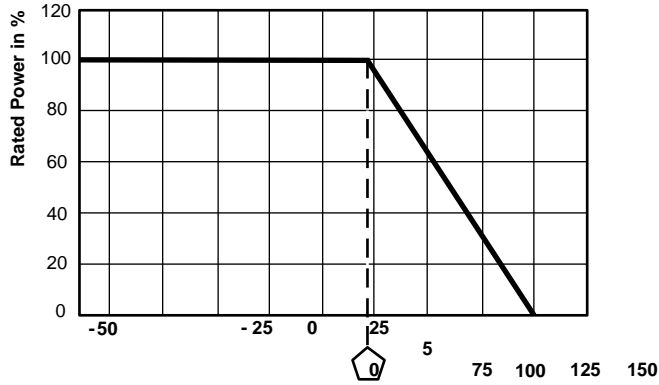
DIMENSIONS in millimeters
TM14001-M0600JP2D



TRH : Trimming resistor hole



DERATING



TOLERANCES ON DECIMALS
XXX ± 0.3

RESISTANCE VALUE ($\mu\Omega$)	RESISTOR THICKNESS (millimeter)	ELEMENT MATERIAL
60	2	Mn-Cu



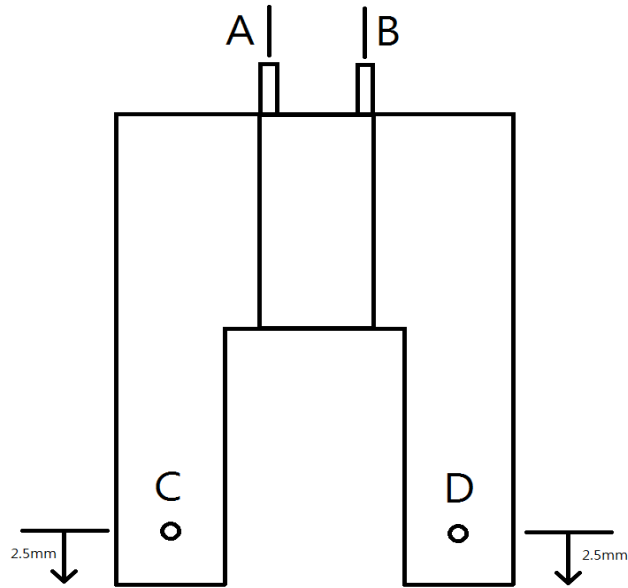
(2)

Resistance test:

1: Sense Resistance: Kelvin connect A-B 60u

2: Total Resistance: C-D < 160u DIP1

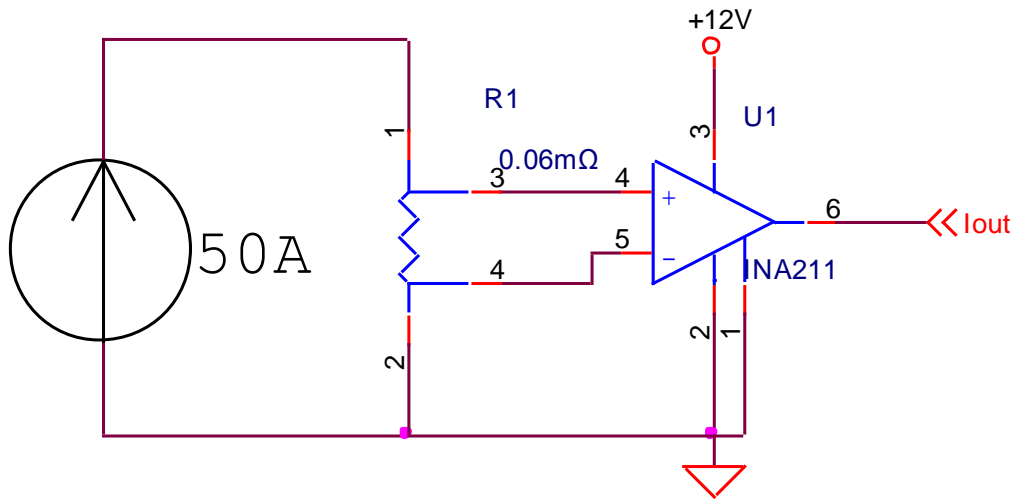
TM14001-M0600JP2D DIP1





(3)

Test Circuit:





IMPORTANT NOTICE

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