



# Meter Shunt Resistor



## FEATURES

- Proprietary processing technique produces extremely low resistance values
- All welded construction
- Very low inductance (< 0.5 nH)



STANDARD ELECTRICAL SPECIFICATIONS						
MODEL	SIZE	POWER RATING $P_{70\text{ }^{\circ}\text{C}}$ W	TOLERANCE %	RESISTANCE VALUE RANGE $\Omega$	RESISTANCE VALUES CURRENTLY AVAILABLE (1) $\Omega$	WEIGHT (typical) g/1000 pieces
TM14002	1400	4.0	+/-10.0	1.2~1.5m $\Omega$		2300 DIP
				Dip1 1.5m $\Omega$ Dip2 1.2m $\Omega$		

**Note**

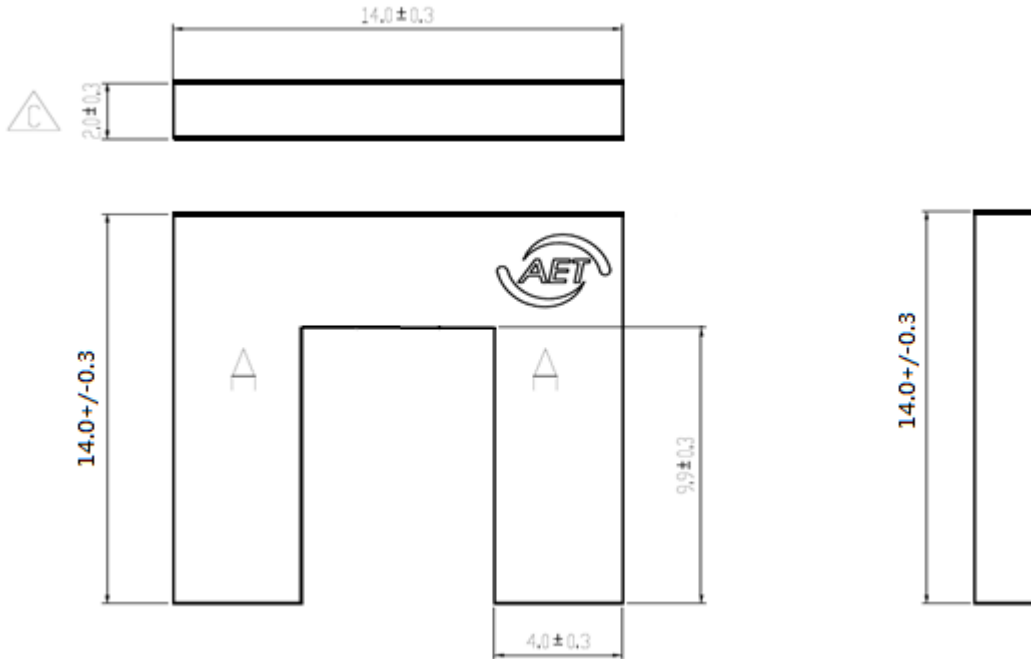
- (1) Other values may be available, contact factory
- (2) See drawing for test condition
- (3) Test circuit

TECHNICAL SPECIFICATIONS		
PARAMETER	UNIT	RESISTOR CHARACTERISTICS
Temperature Coefficient	ppm/ $^{\circ}\text{C}$	800 for 1.5m $\Omega$ without amp circuit. 400 for 1.5m $\Omega$ with amp circuit. (3)
Operating Temperature Range	$^{\circ}\text{C}$	- 50 to + 150
Maximum Current Rating	A	$(P/R)^{1/2}$

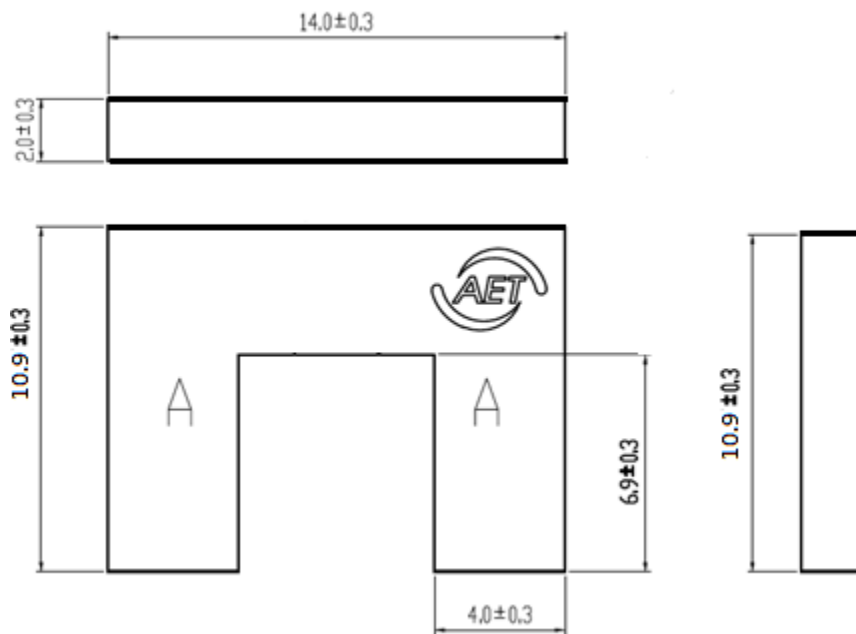
PART NUMBER INFORMATION																
PART NUMBERING: TM14002-1M0500JP00 (TM14002, 0.0015 $\Omega$ , $\pm 10\%$ )@ 25 $^{\circ}\text{C}$																
T	M	1	4	0	0	2	-	1	M	5	0	0	K	P	0	0
MODEL		RESISTANCE VALUE				TOLERANCE CODE		PACKAGING CODE				SPECIAL				
TM14002		M = m $\Omega$ 1M500 = 0.0015 $\Omega$				K = $\pm 10.0\%$		P = DIP1 L = DIP2				CONTACT DOT				



**DIMENSIONS** in millimeters  
TM14002-1M500KP00

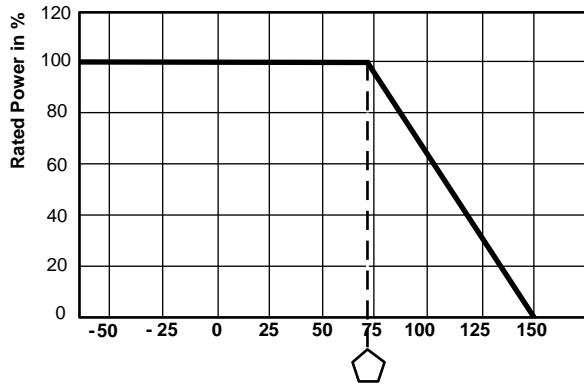


TM14002-1M200KL00





**DERATING**



TOLERANCES ON DECIMALS  
XXX ± 0.3

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



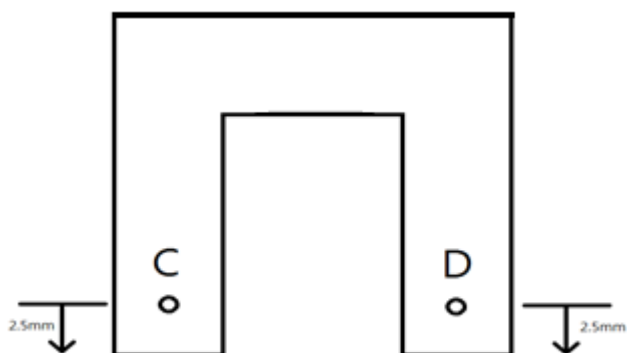
(2)

Resistance test:

Total Resistance: C-D  $1.5\text{m}\Omega$  DIP1  
C-D  $1.2\text{m}\Omega$  DIP1

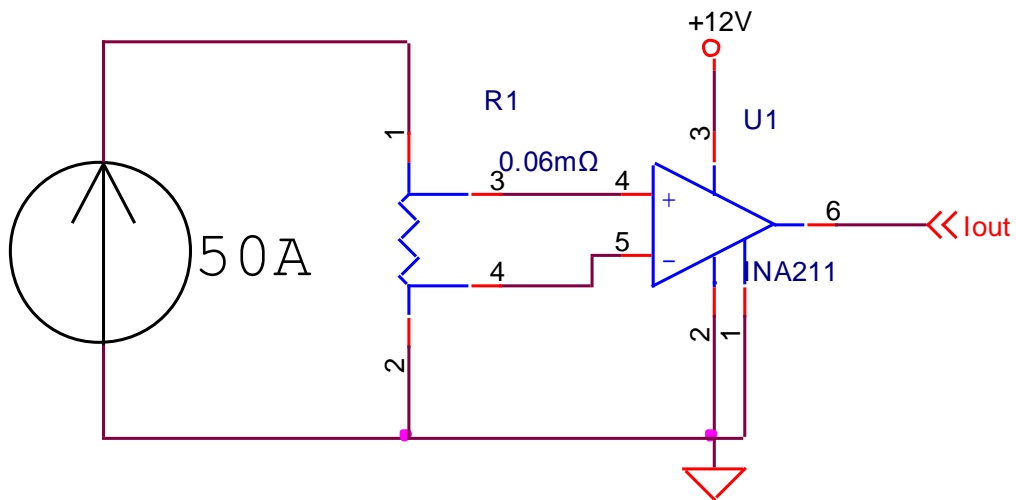
TM14001-1M500KP00 DIP1

TM14001-1M200KL00 DIP2



(3)

Test Circuit:





## **IMPORTANT NOTICE**

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