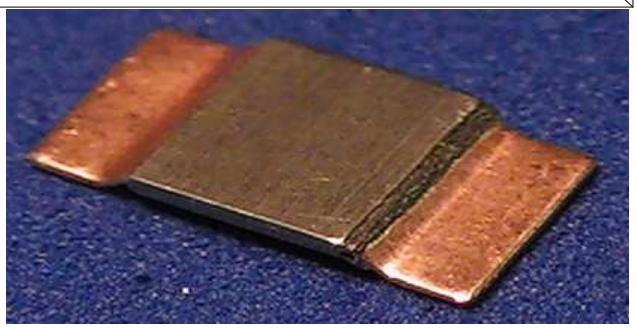


PRECISION CURRENT SENSING RESISTORS

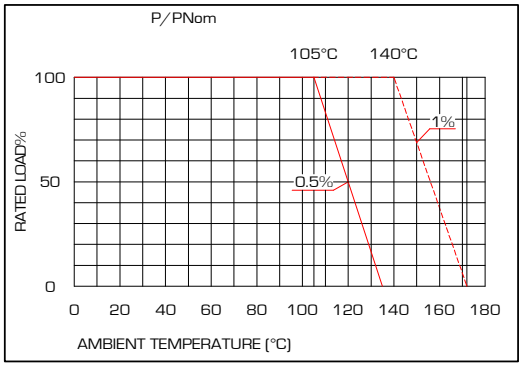
FEATURES:

The TPSM2 is a low cost, extremely low resistance value resistor engineered for surface mount applications.

The TPSM2 is constructed from a continuous band of electron-beam welded (EBW) copper and resistance alloy. This structure results in a low-ohmic surface mount resistor with robust terminals that provide good solderability. The heavy resistor element is very "heat" conductive and transfers the heat through the copper terminals to the PCB (printed circuit board). This allows for the high power rating of three (3) watts.

The use of precision resistance alloys provides a low inductance and makes it very suitable for switch mode power supplies and motor control circuits.

The TPSM2 is packaged 3,000 pieces per 16MM tape and reel in accordance with IEC 286-3.



TYPE	RESISTANCE VALUE (mΩ)	RESISTANCE MATERIAL	THICKNESS D (INCHES)
TPSM2-R0003	0.3	MANGANIN	0.056
TPSM2-R0005	0.5	MANGANIN	0.034
TPSM2-R001M	1.0	MANGANIN	0.017
TPSM2-R001	1.0	ALUCHROM	0.051
TPSM2-R002	2.0	ALUCHROM	0.025
TPSM2-R003	3.0	ALUCHROM	0.017
TPSM2-R004	4.0	ALUCHROM	0.013

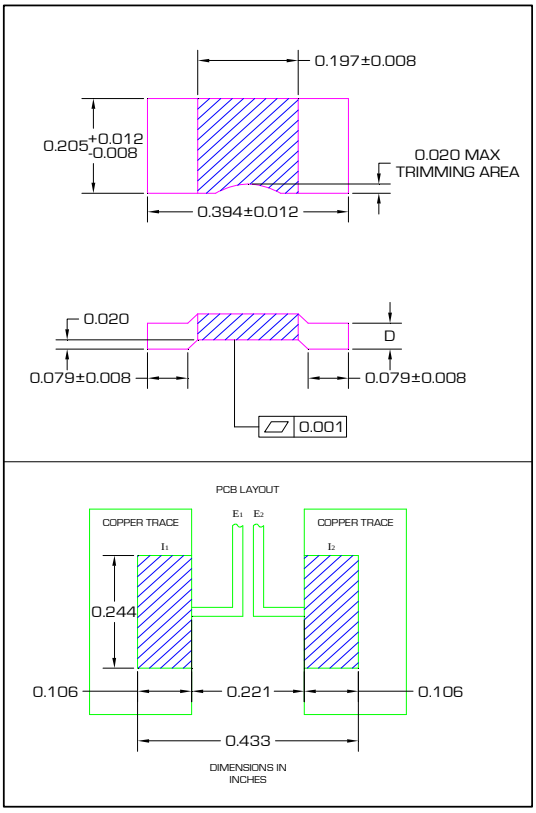
HOW TO ORDER:

TPSM2- R001 1.0

- 1.0 — TOLERANCE
- R001 — RESISTANCE VALUE
- TPSM2- — MODEL

TECHNICAL DATA:

PARAMETERS:	TPSM2
Resistance Values:	0.3, 0.5, 1, 2, 3, 4mΩ
Tolerance:	1%, 2%, 5%, 10%
Temperature Coefficient Of Resistance (20°C to 60°C):	<50ppm/°C
Power Rating (Watts):	3
Maximum Current:	100A
Inductance:	<3nH
Internal Heat Resistance:	Rth < 10°C/W
Operating Temperature Range:	-55°C to +170°C
Stability:	<0.5% after 2000 hours
Typical Weight:	0.2 grams



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P.O. BOX 1260 • CLEARWATER, FL 33757