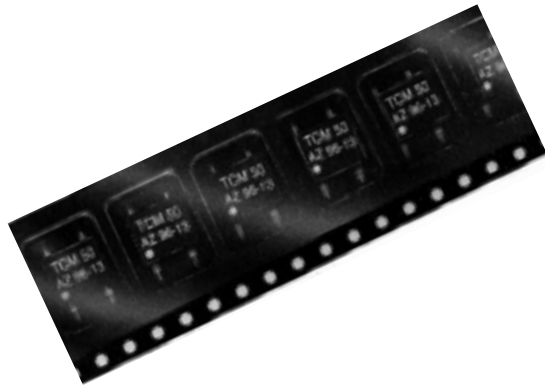


VISHAY**TCM50****current
transformers****AZTRONIC****SURFACE
MOUNTING**

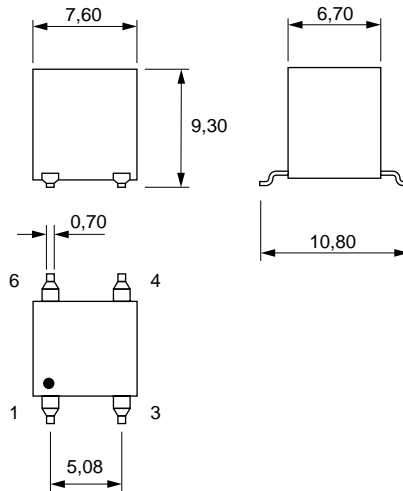
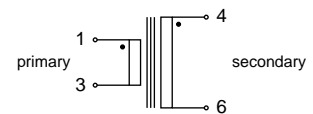
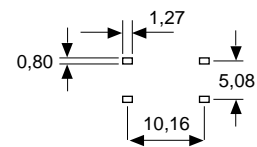
Current microtransformers are designed for AC measurement up to 100 kHz.

Main application is current measurement or limitation for switching power supply or DC/DC converter.

Tape and reel packaging allows automatic pick and place.



Dimensions in mm

**ELECTRICAL DIAGRAM****RECOMMENDED
SOLDERING PAD****SPECIFICATIONS****MECHANICAL**

CASE... UL 94 VO
MAX. UNIT WEIGHT... 1 g

CLIMATIC

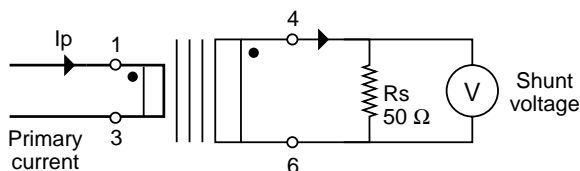
TEMPERATURE RANGE
SHELF... -55°C +85°C
WORKING... -30°C +75°C

PACKING

Tape width 24 mm, 16 mm pitch
500 pieces / reel : external dia. : 330 mm
height : 31 mm

MARKING

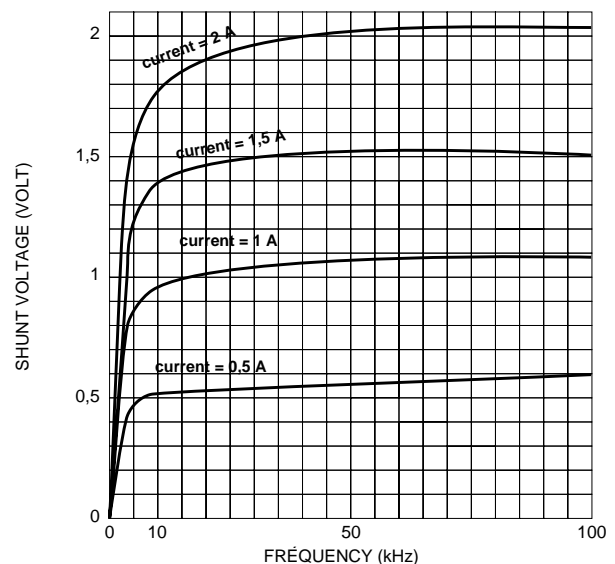
Printed in clear : series, model, manufacturer, manufacturing date (code), pin 1.

MEASUREMENT CONDITIONS**ORDERING PROCEDURE**

SERIES AND MODEL

TCM50**ELECTRICAL**

MAXIMUM FREQUENCY... 100 kHz
INSULATION VOLTAGE... 500 V RMS 1 mn
MAXIMUM PRIMARY CURRENT
on 50 Ω load to add to the circuit... 2 A RMS
SECONDARY RESISTANCE... 1,1 Ω ±20%
SECONDARY INDUCTANCE... 1,6 μH ±25%

SHUNT VOLTAGE VERSUS FREQUENCY**VISHAY**

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