



TCH $\begin{matrix} \leq 5 \\ 10 \\ 20 \end{matrix}$

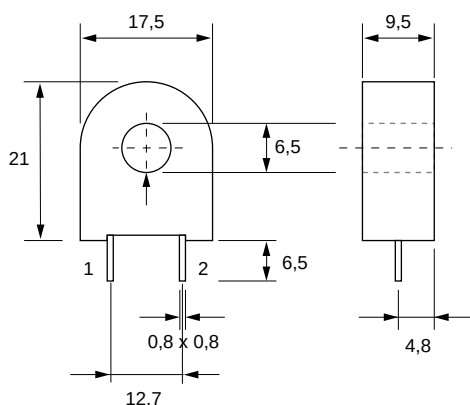
high frequency current transformers



TCH current transformers are designed for AC current measurement for frequencies from 20 kHz to 100 kHz or current limitation on switching power supplies or DC/DC converters.

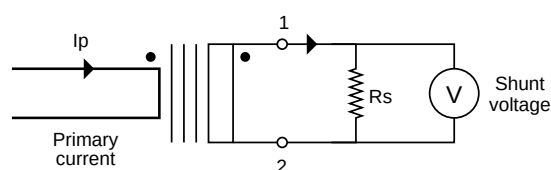
Measurement is done using a lead going through the center of the transformer. No temperature rise, no disturbance can be noted.

DIMENSIONS



Dimensions in mm

TYPICAL APPLICATION



SPECIFICATIONS

MECHANICAL

CASE... UL 94 VO

UNIT WEIGHT... 6 g

CLIMATIC

TEMPERATURE RANGE

SHELF... -55°C +85°C

WORKING... -30°C +75°C

ELECTRICAL

FREQUENCY RANGE... 20 kHz to 100 kHz

INSULATION... 4 kV RMS

MARKING

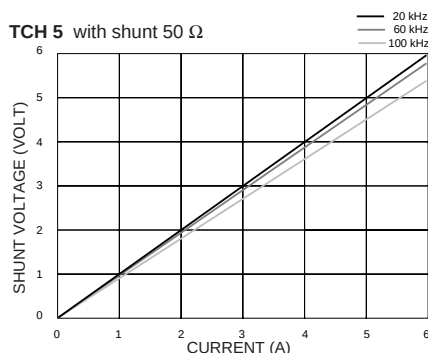
Printed in clear: manufacturer, series, model, manufacturing date (code). Arrow showing reference for phase matching with 1-2 winding.

PACKING

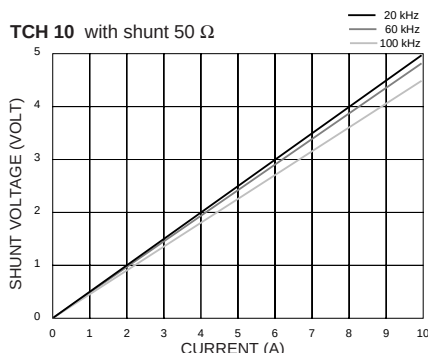
50 pieces in a sectioned box.

	TCH 5		TCH 10		TCH 20	
Ratio	1: 50		1: 100		1: 200	
Shunt resistance to add to RS (Ω)	50	1000	50	1000	50	1000
Primary current max. (A)	5	1	10	2	20	4
Ratio $\frac{\text{Shunt voltage (V)}}{\text{Primary current (A)}}$	1	20	0,5	10	0,25	5
Winding resistance 1-2 (Ω)	0,20		1,5		11,5	

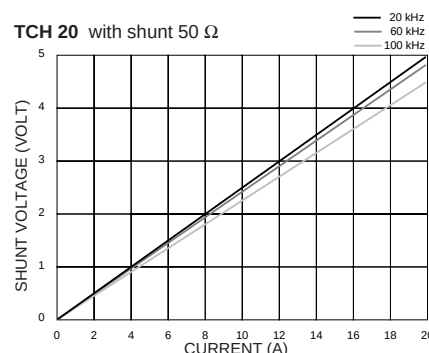
TCH 5 with shunt 50 Ω



TCH 10 with shunt 50 Ω



TCH 20 with shunt 50 Ω



ORDERING PROCEDURE

SERIES

TCH

MODEL

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