# **POWER FACTOR CORRECTORS**

#### **POWER MAGNETIC**

# Faco electronics



## [T23-60X2 Series]

- Designed for use in off-line AC/-DC pre-regulators circuits for switching power converters applications.
- Low cores loss and high flux density.
- Auxiliary winding optional.

### **MECHANICAL SPECIFICATIONS**

Front View

Side View

Schematic

VERTICAL MOUNTING (V)

AUX

HORIZONTAL MOUNTING (H)

AUX

AUX

FN

AUX

FN

#### **ELECTRICAL SPECIFICATIONS**

FPN	Mounting / PCB LAYOUT	L (mm) max.	W (mm) max	H (mm) max	Auxiliary Winding / L <sub>1</sub> Ratio	$DCR(m\Omega)^1$ $max.$	L (μH) <sup>1,2</sup>	L1 ST - FN	AUX ST - FN	I @ 80%L (A DC)	I @ 65%L (A DC)	I @ 50%L (A DC)	I @ 30%L (A DC)
T23029	H / FIG.1	68.78	68.78	43.69		12	199	1 - 2		14.22	23.11	32.00	53.33
T22002	V / FIG.2	67.56	41.40	64.26		80	540	2 - 5		7.23	11.74	16.26	27.09
T22003	V / FIG.3	66.80	41.40	64.26	63:7	72	540	2 - 6	3 - 7	7.23	11.74	16.26	27.09

<sup>\*</sup>Contact FALCO for detailed specifications for P dimension

#### **PCB LAYOUT SPECIFICATIONS**

#### **SUGGESTED PCB Layout (Top)** HOLE DIA, (X6) 0.076" (X4) 0.070" HOLE DIA. (X6) 0.373 HOLE DIA 2.130 2.400" 1.065" 1.630" 0.814" 0.046" // HOLE DIA. (X2) PIN 3 & 7 0.532" 5 2.630" 1.800" Figure 1 Figure 2 Figure 3

- 1. AMBIENT TEMPERATURE TEST AT 25°C
- 2. TEST AT 20KHz and 0.25V. MINIMUM INDUCTANCE

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