

DV9-36-24S1250L1

DC-DC CONVERTER



All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted

OUTPUT SPECIFICATIONS

OUTPUT VOLTAGE/CURRENT.....	Vo=24V/1250mA
VOLTAGE ACCURACY.....	±1% max.
RIPPLE AND NOISE,20MHz BW.....	100mV p-p max.
LINE REGULATION.....	±0.2% max.
LOAD REGULATION.....	±1.0% max.
SHORT CIRCUIT PROTECTION.....	Continuous
OVER VOLTAGE PROTECTION.....	Zener or TVS Clamp
OVER LIMIT.....	110 – 160% Nominal Output
TEMPERATURE COEFFICIENT.....	±0,02%/°C
START UP TIME.....	5msec. typ

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE.....	24V.....	9-36VDC
INPUT SURGE VOLTAGE.....		50Vdc max.
INPUT UNDER VOLTAGE LOCKOUT.....	DC/DC On: 8,8V typ, DC/DC Off: 8,0V typ.	
INPUT FILTER.....		PI Filter

GENERAL SPECIFICATIONS

EFFICIENCY.....	Vin 24V.....	91%, typ.
ISOLATION VOLTAGE.....	Input/Output.....	1,5KVdc, max.
SWITCHING FREQUENCY.....		430KHz typ.

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE RANGE.....	-40 °C TO +85 °C
DERATING, ABOVE 65 °C.....	Linearly to Zero Power at 105°C
STORAGE TEMPERATURE RANGE.....	-55 °C TO +125°C
HUMIDITY.....	95% RH max., Non-condensing

PHYSICAL CHARACTERISTICS

DIMENSIONS WITH HEAT SINK KX508100.....	90×66×max.25,8 mm
CASE MATERIAL.....	Black Coated Copper with Non-conductive Base

NOTE: 1. LINE REGULATION: MEASURED FROM HIGH LINE TO LOW LINE
2. LOAD REGULATION: MEASURED FROM FULL LOAD TO MIN. LOAD



Tolerances

Generell X.X $\pm$ 1.0 mm, X.XX $\pm$ 0.25 mm

Pin Size DIA $\pm$ 0.1 mm

Heat Sink: KX508100

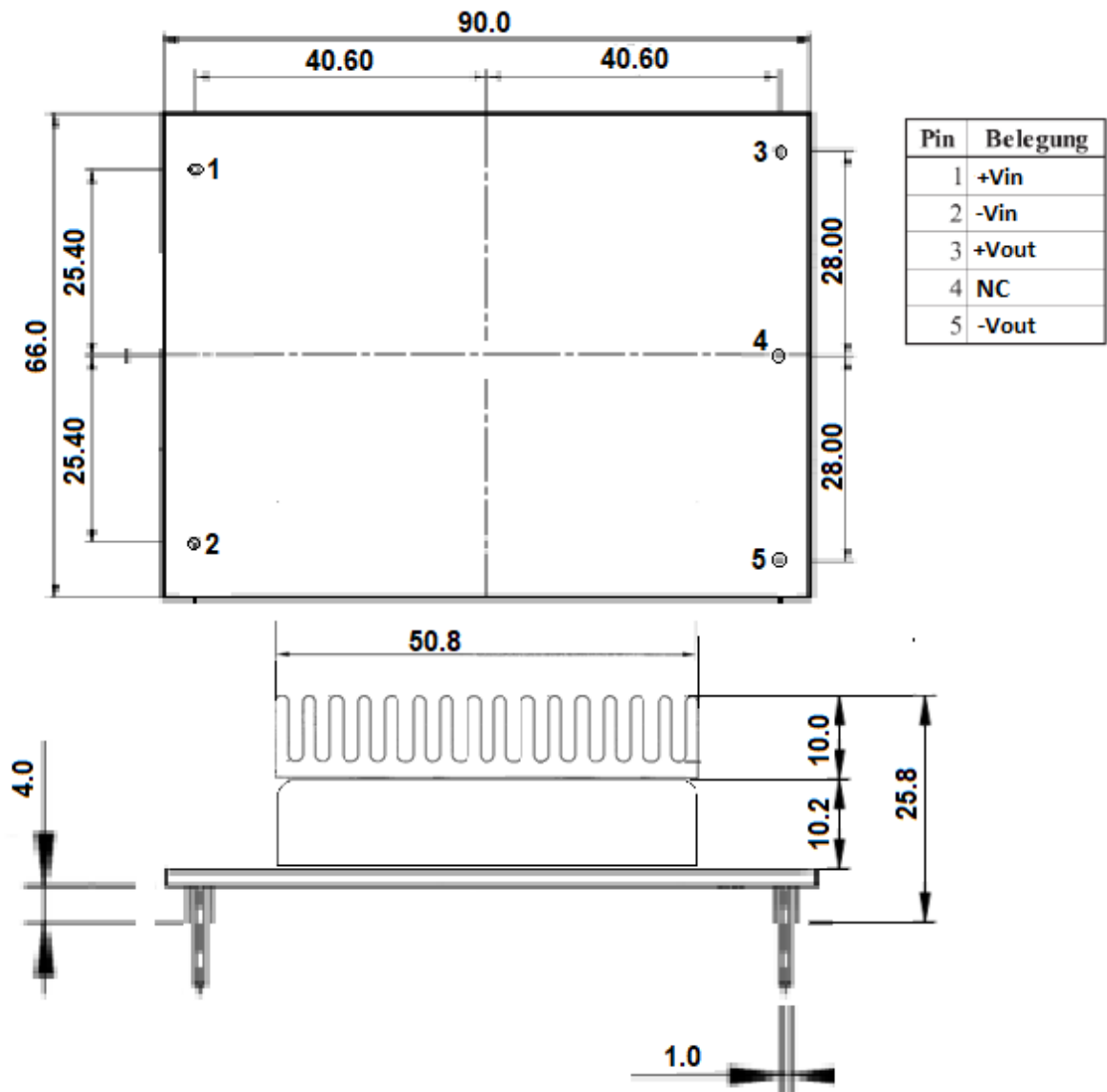
Rca: 10.2°C/W (typ.), at natural convection

Bottom view

Pinning **L**

Pin diameter = 1

Dimensions in mm



Technical change reserved without notice

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