

TECHNICAL DATA
DATA SHEET 1230, REV. -

DC-DC Converters

Fixed Input, 1000V Isolation, Unregulated, High-Voltage & Single Output

FEATURES:

- Isolation Voltage: 1000Vdc
- Isolation Resistance (1): 1000MW
- Short-Circuit Duration: 1 second
- Case Temperature Rise: Max. 25°C, Typ. 15°C
- Cooling Method: Free-Air Cooling
- Standby Power Dissipation: Typ. 10% of Nominal Power
- Operating Temp.: -40°C ~ + 85°C
- Storage Temp.: -55°C ~ + 125°C
- Humidity: \pm 95%
- Soldering Temp. (2): 300°C
- Case Material: Non-Flammable Material (UL94-V0)
- Mean Time Before Failure: > 200,000 hours (Operating Temp. 25°C)

M High Voltage Single Output-1W Series Input Characteristics

Part Number	Nominal Input Voltage	Input Voltage Range	Maximum Input Voltage*
M0572HS/D1U-K	5Vdc	4.5-5.5Vdc	7Vdc

* Voltage above this value may cause permanent damage to the device.

M High Voltage Single Output-1W Series Output Characteristics

Parameter	MIN	TYP	MAX	Units
Output Power			0.25	W
Line Regulation			\pm 1.2	%
Efficiency at 100% Load	65	75	85	%
Temperature Coefficient			0.03	%/°C
1W Ripple & Noise		75	150	mVp-p
Switching Frequency	80	100	200	kHz

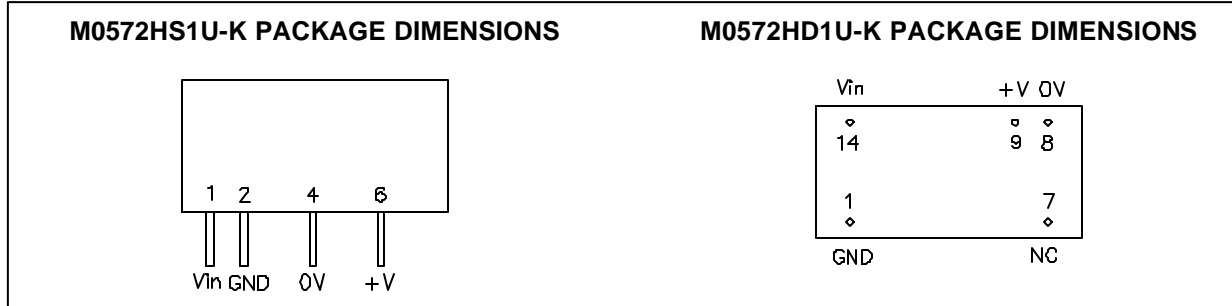
M High Voltage Single Output-1W Series Part Number List

Fixed Input	Fixed Output	Power	SIP-0.25W	DIP-0.25W
5Vdc	72Vdc (1~3mA)	0.25W	M0572HS1U-K	M0572HD1U-K

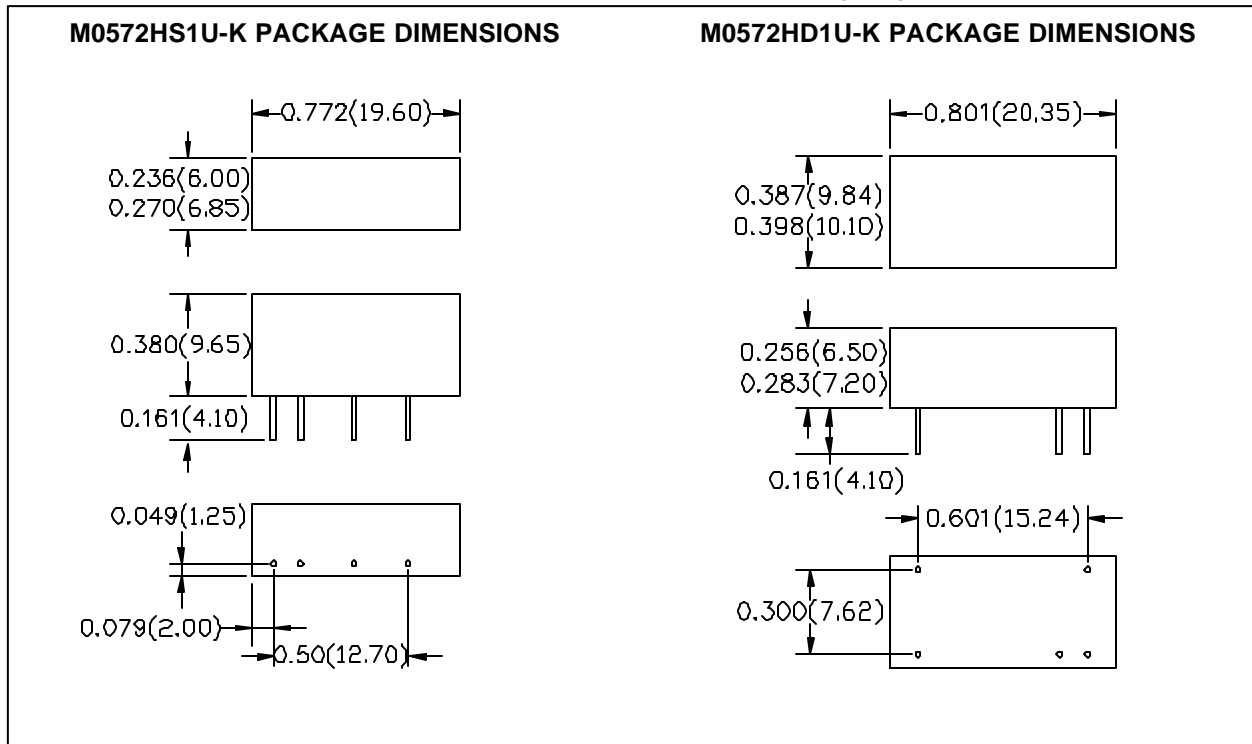
1. All specifications at TA=25°C, 75% of the humidity, Nominal input voltage, full output load unless otherwise specified.
2. Soldering for 10 seconds at 1.5mm away from the edge.

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PIN CONFIGURATION



Mechanical Dimension: in inches / (mm)



DIMENSIONAL RECOMMENDATIONS FOR PCB LAYOUT

