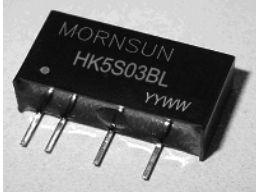


MORNSUN®

HK5S03BL

SINGLE OUTPUT, SPECIALLY DESIGNED FOR APPLICATION OF INTELLIGENT PASSIVE TRANSMITTER



Patent Protection RoHS

PRODUCT FEATURES

- High Accuracy, High Stability
- High Efficiency, High Reliability
- High Isolation, Good Impact resistance
- Small size, High Power Density, Occupy small PCB board space
- Good Performance Both Under High and Low Temperature, Meet Industrial Technical Requirements
- Industry Standard Pinout
- Antiflaming Packaging, UL94-V0 Compliant
- Low Temperature Rise, Natural Cooling, No Heat sink Required
- Welding straight on PCB board

SELECTION GUIDE

Model Number	Input		Output	
	Voltage (VDC)	Current range(mA)	Voltage (VDC)	Current (mA)
HK5S03BL	5	3.5-22	3.0-3.6	3

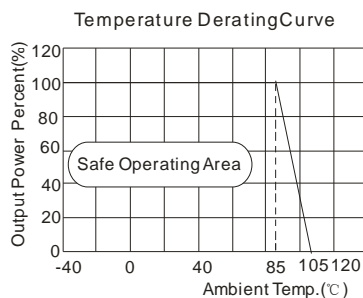
COMMON SPECIFICATIONS

Item	Test Conditions	Min.	Typ.	Max.	Unit
Isolation Voltage	Tested for 1 minute and leakage current less than 1 mA	1000			VDC
Isolation Resistance	Test at 500VDC	1000			MΩ
No load Input Current				1	mA
Current (Iin, Max.)				25	mA
MTBF	MIL-HDBK-217F @25°C		3500		K hours
Case Material		Plastic (UL94-V0)			
Weight			2.1		g

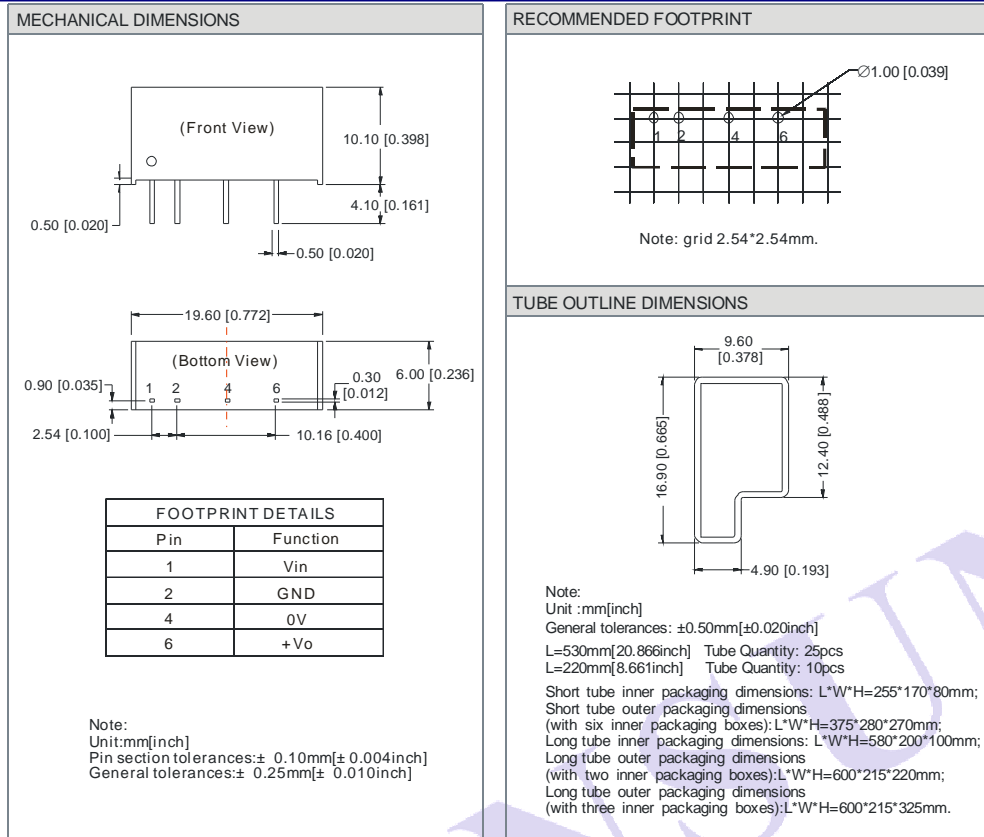
ENVIRONMENTAL SPECIFICATIONS

Item	Test Conditions	Min.	Typ.	Max.	Unit
Storage Humidity				95	%
Operating Temperature	Power derating (above 85°C)	-40		85	°C
Storage Temperature		-55		125	
Lead Temperature	1.5mm from case for 10 seconds			300	
Cooling		Free air convection			

PRODUCT TYPICAL CURVE



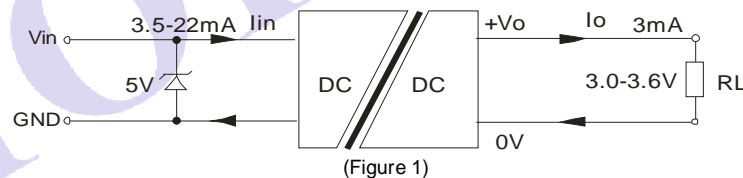
OUTLINE DIMENSIONS, RECOMMENDED FOOTPRINT & PACKAGING



TEST CONFIGURATIONS

Testing and application circuit

The products have been tested according to the following recommended testing circuit before leaving factory. This series should be tested under load (See Figure 1).



Note:

1. In application, the unit can be directly connected to two-wire transmitter Loop (4 ~20mA) In Series.
2. Function Of Zener Diode:
 - a. Voltage Collection
 - b. Current Distribution

MORNSUN Science & Technology Co.,Ltd.

Address: No. 5, Kehui St. 1, Kehui development center, Science Ave., Guangzhou Science City, Luogang district, Guangzhou, P.R.China.

Tel: 86-20-28203030

Fax:86-20-38601272

[Http://www.mornsun-power.com](http://www.mornsun-power.com)