

### B SERIES 1 WATT DC TO DC CONVERTERS

#### Features:



- SIL 7Pin Package.
- 1000/2000VDC I/O Isolation.
- Capacitor input filter to reflected ripple.
- Meet UL60950 requirement.
- RoHS compliant.
- No External Components Required

#### Description:

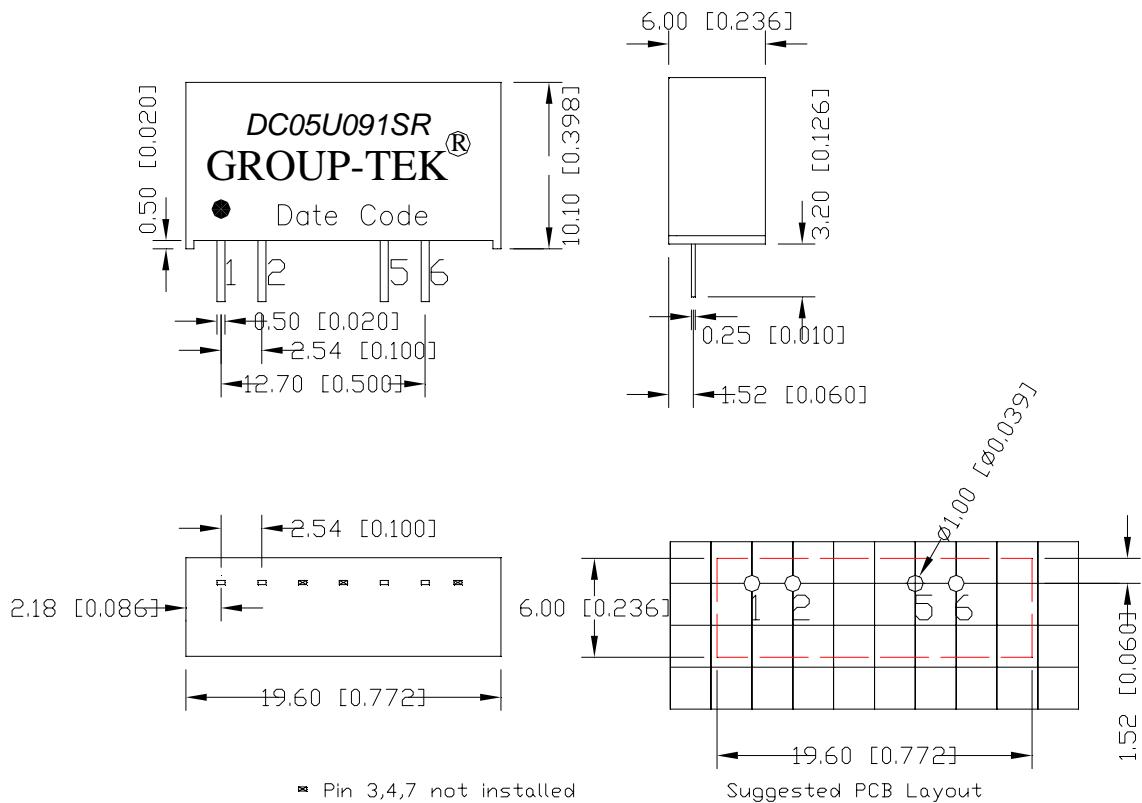
This B series DC/DC converter has been designed for isolating or converting DC power rails in general purpose applications. Although low cost, it does not compromise on features and offers 1kVdc or 2kVdc isolation, -40°C to +85°C operating temperature range and optional continuous short circuit protection.

#### Specifications( measured at T<sub>A</sub>=25°C, nominal input voltage, full load and after warm -up)

Parameter	Conditions	Min.	Typ.	Max.	Unit.
Input Voltage Range				±10	%
Output Voltage Accuracy		-----	-----	±3.0	%
Line Regulation	For Vin Change 1%	-----	±1.2	±1.5	%
Load Regulation	I <sub>o</sub> =20% to 100%			±10	%
Ripple & Noise	20MHz Bandwidth	-----	50	80	mVp-p
Short Circuit Protection	Short Term				
Input Voltage Range	5V Input Models	8.5	9	9.5	Vdc
Isolation Voltage	60 seconds	500	-----	1000	Vdc
Isolation Leakage Current	1000Vdc	-----	-----	1	mA
Switching Frequency		60	-----	-----	kHz
Operating Temperature		-40	-----	+85	°C
Storage Temperature		-55	-----	+125	°C
Humidity		-----	-----	95	%
Cooling	Free-Air Convection				
Size Dimension	19.60*10.10*6.00 m/m				
Weight	2.3				g
Case material	UL94V0 Non-Conductive Plastic				

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Dimension:mm(inch), Unless otherwise specified, all tolerance are  $\pm 0.25(0.01)$



Pin section tolerance  $\pm 0.10(0.004)$

Pin Connection	
Pin Number	Pin Function
1	+Input Voltage
2	-Input Voltage
3	N/C
4	N/C
5	-Output Voltage
6	+Output Voltage
7	N/C

