

5 W  
DC/DC  
TDD  
MODUL

# TDD 05 DC Power Package

5 Watt Ultra-Wide-Input 2" x 1" - Serie



HN-MODUL

## Besondere Merkmale Features

Weiter Eingang 4:1	Wide input range 4:1
Geringe Bauhöhe	Low profile
Isolationspg. min. 1500V DC	Isolation min. 1500V DC
Hoher Wirkungsgrad	High efficiency
Kurzschlußfest	Short circuit protection
Eingangs-PI-Filter	Input-PI-Filter

## Anwendung Application

Telekommunikation	Telecommunication
Rechnersysteme	Computer applications
MSR	Control equipments
Mikroprozessorsysteme	Microprocessor systems

## Technische Daten Specification

(bei 25°C Umgebungstemperatur) (at 25°C ambient temperature)

## Eingangsdaten Input Specifications

Eingangsspannung	Input voltages	10...36, 18...72 VDC
Eingangsfilter (integriert)	Build in filter	PI-Type

## Ausgangsdaten Output Specifications

Leistung	Power	5/6 Watt
Wirkungsgrad	Efficiency	typ. 76%
Schaltfrequenz	Switching frequency	typ. 200 kHz
Regelabweichung	Voltage accuracy	typ. ±2%
Last	Load	± 2% (Dual ± 5%)
Eingang	Line	± 1%
Restwelligkeit	Ripple and noise	100mV typ.

## Allgemeine Daten General Specifications

Betriebstemperatur	Operating temp.	-25°C...+71°C, no derating
Lagertemperatur	Storage temperature	-40°C...+100°C
Temperaturkoeffizient	Temp. coefficient	0.02% / K
Kurzschlußfest	Short circuit protection	Current limited
Gehäusematerial	Case material	Copper with nonconductive plastic
Kühlung	Cooling	Free air convection

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## 5 Watt Ultra-Wide-Input 2" x 1" Compact-Serie

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### Bestell-Information / Order Information

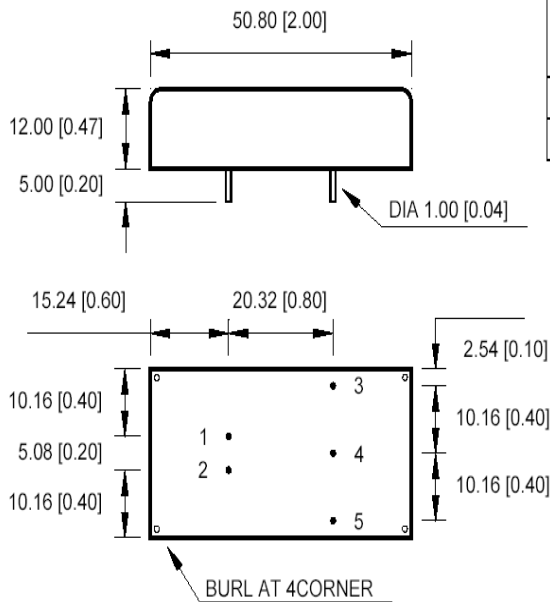
Modell	Eingang Input VDC	Ausgang1 Output 1 V/mA	Ausgang 2 Output 2 V/mA	Modell Label
TDD052403S	10-36	3,3/1500		TDD05-03S4
TDD052405S	10-36	05/1000		TDD05-05S4
TDD052412S	10-36	12/500		TDD05-12S4
TDD052415S	10-36	15/400		TDD05-15S4
TDD054803S	18-72	3,3/1500		TDD05-03S5
TDD054805S	18-72	05/1000		TDD05-05S5
TDD054812S	18-72	12/500		TDD05-12S5
TDD054815S	18-72	15/400		TDD05-15S5
TDD052405D	10-36	+ 5/500	- 5/500	TDD05-05D4
TDD052412D	10-36	+12/250	-12/250	TDD05-12D4
TDD052415D	10-36	+15/200	-15/200	TDD05-15D4
TDD054805D	18-72	+ 5/500	- 5/500	TDD05-05D5
TDD054812D	18-72	+12/250	-12/250	TDD05-12D5
TDD054815D	18-72	+15/200	-12/200	TDD05-15D5

Andere Typen und Spannungen auf Anfrage • Other models and configurations on request.

### PIN-Belegung und Zeichnung / Pin Assignments & Drawing, mm (inch)

#### MECHANISM & PIN CONFIGURATION

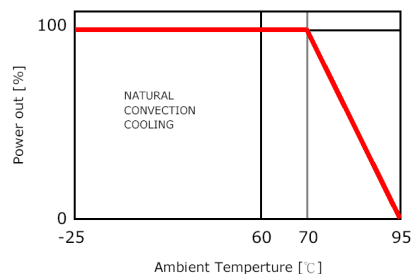
mm [inch]



#### PHYSICAL CHARACTERISTICS

CASE SIZE	50.8 X 25.4 x 12mm 2 x 1 x 0.47inches
CASE MATERIAL	Metal
WEIGHT	35 g

#### Derating:



#### PIN ASSIGMENT

PIN NO.	1	2	3	4	5
SINGLE	Vi+	Vi-	Vo+	NO PIN	Vo-
DUAL	Vi+	Vi-	Vo+	com	Vo-