

10 W  
DC/DC  
MODUL

# IDD10 DC Power Package

10 Watt Ultra-Wide-Input 2x1 Compact-Serie



## Besondere Merkmale Features

Weiter Eingang 4:1	Wide input range 4:1
Geringe Bauhöhe	Low profile
Isolationssp. min. 1500V DC	Isolation min. 1500V DC
Hoher Wirkungsgrad	High efficiency
Kurzschlußfest	Short circuit protection
TÜV/UL/cUL Zulassung	TÜV/UL/cUL approvals

## 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	9...36, 18...75 VDC
Eingangsfiler (integriert)	Build in filter	PI-Type

## Ausgangsdaten Output Specifications

Leistung	Power	10 Watt
Wirkungsgrad	Efficiency	up to 85%
Schaltfrequenz	Switching frequency	200 kHz
Regelabweichung	Voltage accuracy	typ. ±2%
Lastregelung	Load regulation	±1%
Eingangsregelung	Line regulation	±0,5%
Restwelligkeit	Ripple and noise	150mV max. (Vp-p)

## Allgemeine Daten General Specifications

Betriebstemperatur	Operating temp.	-40°C...+71°C, derating see curve
Lagertemperatur	Storage temperature	-40°C...+100°C
Temperaturkoeffizient	Temp. coefficient	0.02% / °C
Kurzschlußfest	Short circuit protection	Continuous
Gehäusematerial	Case material	Metal
Maße / Gewicht	Dimension/Weight	50.8x25.4x10.16mm / 33g
Zulassungen	Safety approvals	TÜV EN60950-1 UL/cUL UL60950-1 CE EN61204-3(Class A for EMI)

CHINFA

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### Bestell-Information / Order Information

MODEL NO.	INPUT VOLTAGE	OUTPUT WATTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	EFF. (typ.)	EFF. (min.)
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#### Single Output Models

IDD10 - 03S4U	9~36 VDC	10 WATTS	+3.3 VDC	3000 mA	80%	78%
IDD10 - 05S4U	9~36 VDC	10 WATTS	+ 5 VDC	2000 mA	82%	80%
IDD10 - 12S4U	9~36 VDC	10 WATTS	+ 12 VDC	830 mA	84%	82%
IDD10 - 15S4U	9~36 VDC	10 WATTS	+ 15 VDC	670 mA	85%	83%
IDD10 - 03S5U	18~75 VDC	10 WATTS	+3.3 VDC	3000 mA	80%	78%
IDD10 - 05S5U	18~75 VDC	10 WATTS	+ 5 VDC	2000 mA	82%	80%
IDD10 - 12S5U	18~75 VDC	10 WATTS	+ 12 VDC	830 mA	84%	82%
IDD10 - 15S5U	18~75 VDC	10 WATTS	+ 15 VDC	670 mA	84%	82%

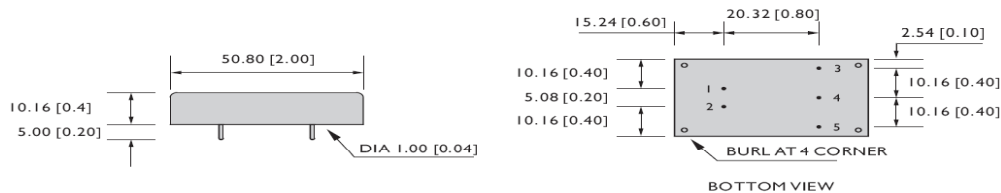
#### Dual Output Models

IDD10 - 05D4U	9~36 VDC	10 WATTS	± 5 VDC	± 1000 mA	82%	80%
IDD10 - 12D4U	9~36 VDC	10 WATTS	± 12 VDC	± 420 mA	82%	80%
IDD10 - 15D4U	9~36 VDC	10 WATTS	± 15 VDC	± 340 mA	84%	82%
IDD10 - 05D5U	18~75 VDC	10 WATTS	± 5 VDC	± 1000 mA	82%	80%
IDD10 - 12D5U	18~75 VDC	10 WATTS	± 12 VDC	± 420 mA	83%	81%
IDD10 - 15D5U	18~75 VDC	10 WATTS	± 15 VDC	± 340 mA	84%	82%

**MEMO :**

### Abmessungen & Pinbelegung / Dimensions & Pinout

mm [inch]



### PHYSICAL CHARACTERISTICS

CASE SIZE	50.8 × 25.4 × 10.16 mm 2 × 1 × 0.4 inches
CASE MATERIAL	Metal
WEIGHT	33 g (typ.)

### PIN ASSIGMENT

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

### DERATING

