

**30 W
DC/DC
MODUL**

WDD30 DC Power Package

30 Watt Wide-Input 2x1.6 Compact-Serie



Besondere Merkmale Features

Weiter Eingang 2:1	Wide input range 2:1
Geringe Bauhöhe	Low profile
Isolationspg. 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...18,18...36,35...75 VDC
Eingangsfiter (integriert)	Build in filter	PI-Type

Ausgangsdaten Output Specifications

Leistung	Power	23...30 Watt
Wirkungsgrad	Efficiency	up to 89%
Schaltfrequenz	Switching frequency	250 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 (+60°C for 3.3&5V), derating see curve
Lagertemperatur	Storage temperature	-40°C...+100°C
Temperaturkoeffizient	Temp. coefficient	0.02% / °C
Kurzschlußfest	Short circuit protection	Continuous
An/Ausschaltung	Remote on/off control	ON: 8...10VDC or open circuit OFF: 0,3...2VDC Pin 4 to input GND
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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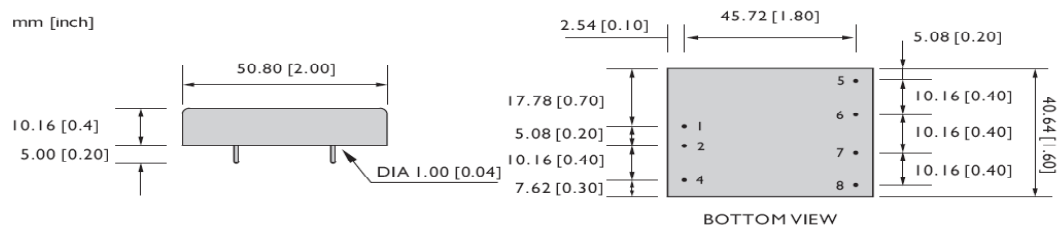
Single Output Models

WDD30 - 03S1U	9~18 VDC	23 WATTS	+3.3 VDC	7000 mA	81%	79%
WDD30 - 05S1U	9~18 VDC	25 WATTS	+ 5 VDC	5000 mA	85%	83%
WDD30 - 12S1U	9~18 VDC	30 WATTS	+ 12 VDC	2500 mA	84%	82%
WDD30 - 15S1U	9~18 VDC	30 WATTS	+ 15 VDC	2000 mA	85%	83%
WDD30 - 03S2U	18~36 VDC	23 WATTS	+3.3 VDC	7000 mA	82%	80%
WDD30 - 05S2U	18~36 VDC	25 WATTS	+ 5 VDC	5000 mA	86%	84%
WDD30 - 12S2U	18~36 VDC	30 WATTS	+ 12 VDC	2500 mA	88%	86%
WDD30 - 15S2U	18~36 VDC	30 WATTS	+ 15 VDC	2000 mA	89%	87%
WDD30 - 03S3U	35~75 VDC	23 WATTS	+3.3 VDC	7000 mA	83%	81%
WDD30 - 05S3U	35~75 VDC	25 WATTS	+ 5 VDC	5000 mA	86%	84%
WDD30 - 12S3U	35~75 VDC	30 WATTS	+ 12 VDC	2500 mA	88%	86%
WDD30 - 15S3U	35~75 VDC	30 WATTS	+ 15 VDC	2000 mA	89%	87%

Dual Output Models

WDD30 - 05D1U	9~18 VDC	25 WATTS	± 5 VDC	± 2500 mA	84%	82%
WDD30 - 12D1U	9~18 VDC	30 WATTS	± 12 VDC	± 1250 mA	85%	83%
WDD30 - 15D1U	9~18 VDC	30 WATTS	± 15 VDC	± 1000 mA	86%	84%
WDD30 - 05D2U	18~36 VDC	25 WATTS	± 5 VDC	± 2500 mA	86%	84%
WDD30 - 12D2U	18~36 VDC	30 WATTS	± 12 VDC	± 1250 mA	88%	86%
WDD30 - 15D2U	18~36 VDC	30 WATTS	± 15 VDC	± 1000 mA	89%	87%
WDD30 - 05D3U	35~75 VDC	25 WATTS	± 5 VDC	± 2500 mA	86%	84%
WDD30 - 12D3U	35~75 VDC	30 WATTS	± 12 VDC	± 1250 mA	88%	86%
WDD30 - 15D3U	35~75 VDC	30 WATTS	± 15 VDC	± 1000 mA	89%	87%

Abmessungen & Pinbelegung / Dimensions & Pinout



PHYSICAL CHARACTERISTICS

CASE SIZE	40.6 x 50.8 x 10.2 mm 1.6 x 2 x 0.4 inches
CASE MATERIAL	Metal
WEIGHT	60 g

PIN ASSIGNMENT

GENERAL							
PIN NO.	1	2	4	5	6	7	8
SINGLE	Vi+	Vi-	S. D.	NO PIN	Vo+	Vo-	Trim
DUAL	Vi+	Vi-	S. D.	Vo+	com	Vo-	Trim

S.D. : REMOTE ON / OFF

DERATING

