

20 W
DC/DC
MODUL

WDD20 DC Power Package

20 Watt Ultra-Wide-Input 2x1.6 Compact-Serie



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
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	20 Watt
Wirkungsgrad	Efficiency	up to 84%
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

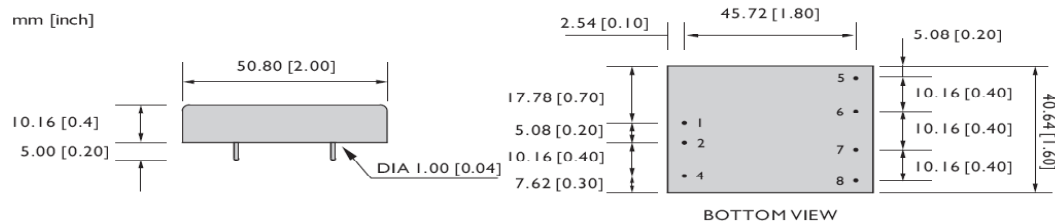
WDD20 - 03S4U	9~36 VDC	20 WATTS	+3.3 VDC	6000 mA	79%	77%
WDD20 - 05S4U	9~36 VDC	20 WATTS	+ 5 VDC	4000 mA	80%	78%
WDD20 - 12S4U	9~36 VDC	20 WATTS	+ 12 VDC	1670mA	82%	80%
WDD20 - 15S4U	9~36 VDC	20 WATTS	+ 15 VDC	1330 mA	83%	81%
WDD20 - 03S5U	18~75 VDC	20 WATTS	+3.3 VDC	6000 mA	79%	77%
WDD20 - 05S5U	18~75 VDC	20 WATTS	+ 5 VDC	4000 mA	81%	79%
WDD20 - 12S5U	18~75 VDC	20 WATTS	+ 12 VDC	1670 mA	84%	82%
WDD20 - 15S5U	18~75 VDC	20 WATTS	+ 15 VDC	1330 mA	84%	82%

Dual Output Models

WDD20 - 05D4U	9~36 VDC	20 WATTS	± 5 VDC	± 2000 mA	80%	78%
WDD20 - 12D4U	9~36 VDC	20 WATTS	± 12 VDC	± 830 mA	83%	81%
WDD20 - 15D4U	9~36 VDC	20 WATTS	± 15 VDC	± 670 mA	84%	82%
WDD20 - 05D5U	18~75 VDC	20 WATTS	± 5 VDC	± 2000 mA	82%	80%
WDD20 - 12D5U	18~75 VDC	20 WATTS	± 12 VDC	± 830 mA	84%	82%
WDD20 - 15D5U	18~75 VDC	20 WATTS	± 15 VDC	± 670 mA	84%	82%

MEMO :

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

