

**5 W
DC/DC
MODUL**

RDD05 DC Power Package

5 Watt Ultra-Wide-Input DIL24 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	4-6 Watt
Wirkungsgrad	Efficiency	up to 82%
Schaltfrequenz	Switching frequency	250 kHz
Regelabweichung	Voltage accuracy	typ. ±2%
Lastregelung	Load regulation	±1%
Eingangsregelung	Line regulation	±0,5%
Restwelligkeit	Ripple and noise	50mV 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	Tinplate nickel plated
Maße/Gewicht	Dimension/Weight	20.3x31.8x10.2mm / 16 Gramm
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

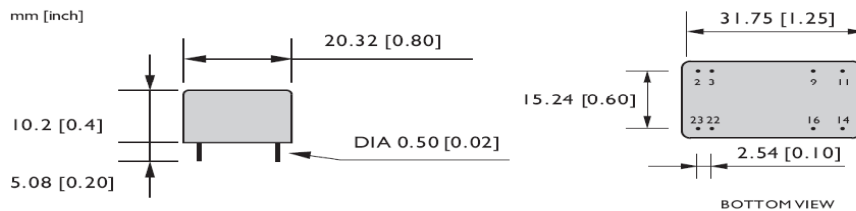
RDD05 - 03S4U	9~36 VDC	4 WATTS	+3.3 VDC	1200 mA	77%	75%
RDD05 - 05S4U	9~36 VDC	5 WATTS	+ 5 VDC	1000 mA	79%	77%
RDD05 - 12S4U	9~36 VDC	6 WATTS	+ 12 VDC	500 mA	82%	80%
RDD05 - 15S4U	9~36 VDC	6 WATTS	+ 15 VDC	400 mA	82%	80%
RDD05 - 03S5U	18~75 VDC	4 WATTS	+3.3 VDC	1200 mA	77%	75%
RDD05 - 05S5U	18~75 VDC	5 WATTS	+ 5 VDC	1000 mA	79%	77%
RDD05 - 12S5U	18~75 VDC	6 WATTS	+ 12 VDC	500 mA	82%	80%
RDD05 - 15S5U	18~75 VDC	6 WATTS	+ 15 VDC	400 mA	82%	80%

Dual Output Models

RDD05 - 05D4U	9~36 VDC	5 WATTS	± 5 VDC	± 500 mA	79%	77%
RDD05 - 12D4U	9~36 VDC	6 WATTS	± 12 VDC	± 250 mA	82%	80%
RDD05 - 15D4U	9~36 VDC	6 WATTS	± 15 VDC	± 200 mA	82%	80%
RDD05 - 05D5U	18~75 VDC	5 WATTS	± 5 VDC	± 500 mA	79%	77%
RDD05 - 12D5U	18~75 VDC	6 WATTS	± 12 VDC	± 250 mA	82%	80%
RDD05 - 15D5U	18~75 VDC	6 WATTS	± 15 VDC	± 200 mA	82%	80%

MEMO:

Abmessungen & Pinbelegung / Dimensions & Pinout



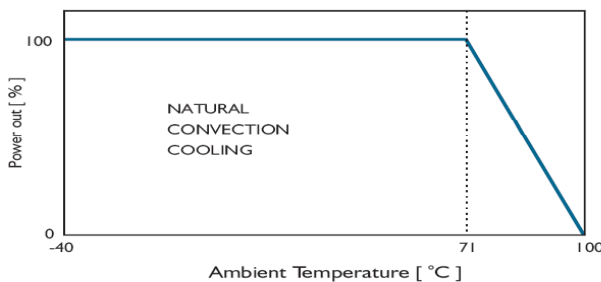
PHYSICAL CHARACTERISTICS

CASE SIZE	20.3 x 31.8 x 10.2 mm 0.8 x 1.25 x 0.4 inches
CASE MATERIAL	Tinplate nickel plated
WEIGHT	16 g

PIN ASSIGNMENT

GENERAL							
PIN NO.	2 & 3	9	11	14	16	22 & 23	
SINGLE	Vi -	N. C.	N. C.	Vo+	Vo -	Vi+	
DUAL	Vi -	com	Vo -	Vo+	com	Vi+	

DERATING



Capacitive Load	Io nom	3.3Vout models	5.0Vout models	12.0Vout models	15.0Vout models	± 5Vout models	± 12Vout models	± 15Vout models
		2200	1500	270	180	± 680	± 150	± 68