

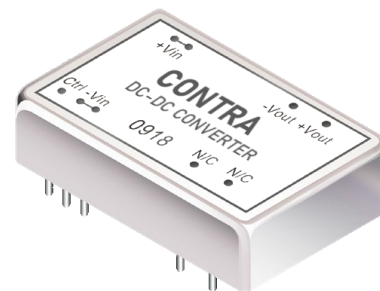
CS-DW-R1 SERIES DC-DC Converter 10Watt

1.6KV Isolated 4:1 Input Voltage Range



FEATURES :

- 10 Watt DIL Package
- 4:1 Wide Input Voltage
- 100% Burned In
- High Efficiency To 85%
- Customized Solutions Available
- Remote Control: On/Off
- UL94V-0 Package Material
- Operating Temperature: -40°C to +87°C
- 3 Years Warranty
- Design refer to EN50155



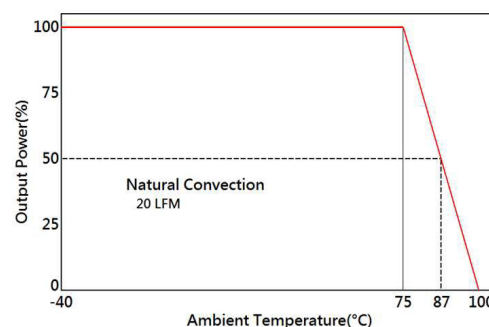
Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Input Voltage	Input Current (mA TYP)		Output Voltage	Output Current	Efficiency
	Vdc	No Load	Full Load	Vdc	Full Load (mA)	%TYP
CS-DW-110S03R1	40-160	6	112	3.3	3000	81
CS-DW-110S05R1	40-160	6	110	5	2000	82
CS-DW-110S12R1	40-160	6	108	12	833	84
CS-DW-110S15R1	40-160	6	107	15	670	85
CS-DW-110D12R1	40-160	6	106	±12	±420	85
CS-DW-110D15R1	40-160	6	109	±15	±340	85

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Types				4:1	
Surge Voltage (1 sec. max.)	110V models			170	Vdc
Input Filter	PI Type				
Reflected ripple current			30		mAp-p
Remote ON/OFF (Refer to -Vin PIN)	Positive Logic	ON : Open	3	12	Vdc
		OFF: Short	0	1.2	Vdc
	Input current of Ctrl PIN		0.5	0.5	mA
	Remote off input current		3		mA

Temperature Derating Graph



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Part Number						
<u>CS-DW</u>	-	<u>24</u>	<u>S</u>	<u>03</u>	<u>R</u>	<u>1</u>
A		B	C	D	E	F

A : Series

B : Input Voltage

C : Single(S); Dual(D)

D : Output Voltage

E : Regulated(R)

F : Case Type

NOTE:

- TVS: TVS1C171JB-4F
- XC1: 100k/250V XTR
- XC2: 100k/250V XTR
- VF: 1.5uH
- C3: 10uF/50V XTR
- CY1-CY2: 1000pF/2KV

[illegible]

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Voltage			1600		Vdc
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency			330		KHz
Operating Temperature	With derating	-40		87	°C
Storage Temperature		-55		125	°C
Humidity	Non Condensing			95	%
Cooling	Natural Convection (20LFM)				
Case material	Nickel coated copper with no-conductive base				
MTBF	MIL-HDBK-217F@25°C	900000			Hours
Weight			17.5		g
Dimensions			31.6x20.1x10.0		mm

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