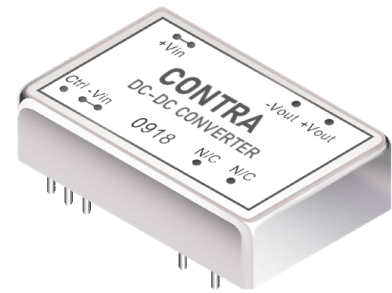


C69D SERIES 3Watt 1.5KV Isolated DC-DC Converter Single & Dual Output



FEATURES :

- 4:1 Wide Input Voltage
- 3 Watt 24PIN DIL Package
- Efficiency To 80%
- 1500Vdc Isolation
- MTBF: > 1,500,000 hrs
- Operating Temperature: -40°C to +85°C

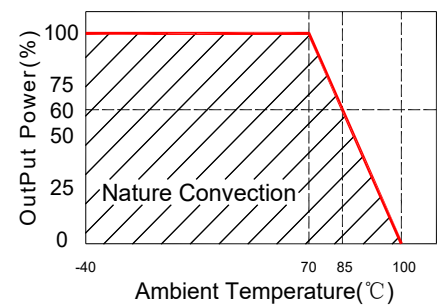


Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency
	Vdc	Vdc	mA	%TYP
C69D-24S05CN	9-36	5	600	75
C69D-24S12CN	9-36	12	250	80
C69D-24S15CN	9-36	15	200	75
C69D-24D05CN	9-36	±5	±300	75
C69D-24D12CN	9-36	±12	±125	75
C69D-24D15CN	9-36	±15	±100	75
C69D-48S05CN	18-72	5	600	75
C69D-48S12CN	18-72	12	250	80
C69D-48S15CN	18-72	15	200	75
C69D-48D05CN	18-72	±5	±300	75
C69D-48D12CN	18-72	±12	±125	75
C69D-48D15CN	18-72	±15	±100	75



Temperature Derating Graph



Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Types				4:1	
Filter	Capacitor				

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±2	%
Short Circuit Protection	Continuous				
Line Regulation				±0.5	%
Load Regulation	Single			±0.5	%
Load Regulation	Dual			±2.0	%
Ripple & Noise	BW=DC To 20MHz			100	mVp-p
Transient response setting time	50% load step change		350		us

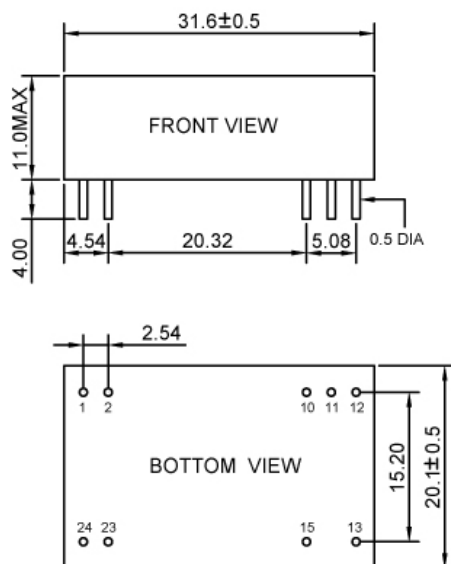
C69D SERIES 3Watt 1.5KV Isolated DC-DC Converter Single & Dual Output



General Specifications

Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency			200		KHz
Operating Temperature		-40		85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	Nickel Coated Copper with Non-Conductive Base				
Weight			16.2		g
Dimensions		31.60x20.10x11.0			mm

Markings and Dimensions



UNIT : mm Unless otherwise specified, all tolerances are ± 0.25

PIN Connection

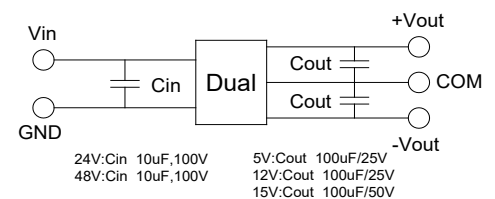
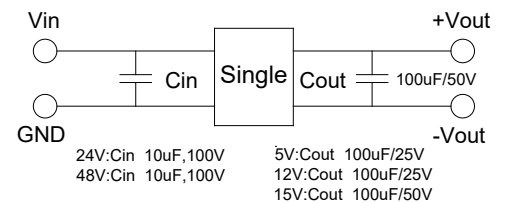
Pin	1.2	10.11	12	13	15	23.24
Single	+Vin	No Pin	-Vout	+Vout	No Pin	-Vin
Dual	+Vin	Com	No Pin	-Vout	+Vout	-Vin

Part Number

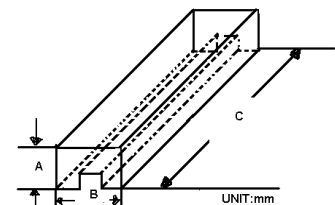
C69D - 24 S 05 C N
A B C D E F

- A : Series
- B : Input Voltage
- C : Single(S); Dual(D)
- D : Output Voltage
- E : Types
- F : Package

Recommended Test Circuit



Packaging



Size(mm)		
A	B	C
18.71	23.00	522