



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



15W DC-DC Converters

Features

- ◆ Industry Standard 1 x 1" Footprint
- ◆ Wide Range DC Input 9 - 36 or 18 - 76V
- ◆ High Efficiency - Up to 88%
- ◆ Six Sided Shielding



Key Market Segments & Applications



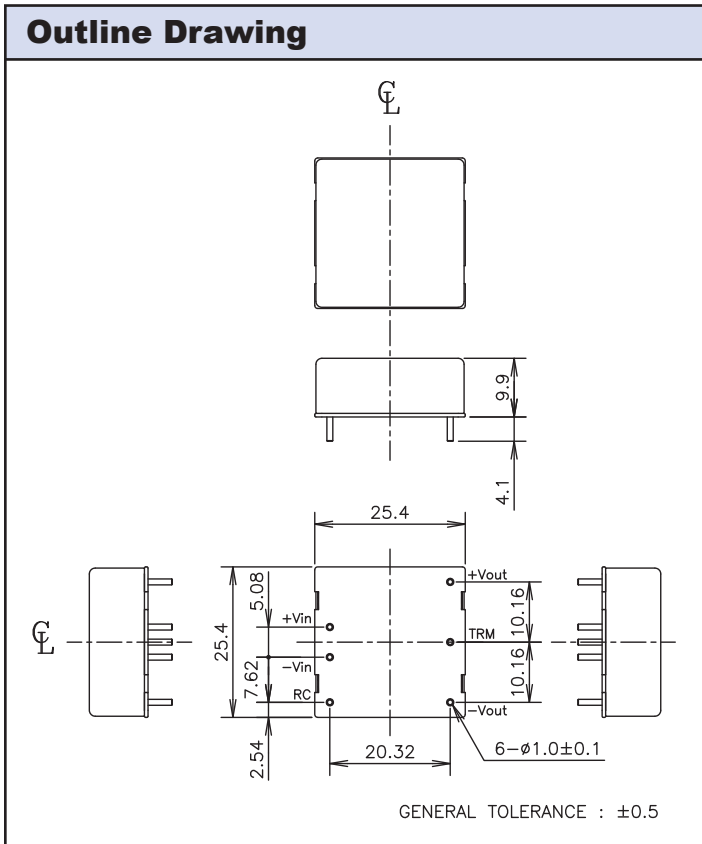
Specifications		CCG15			
Model		3.3	5V	12V	15V
Nominal Output Voltage	VDC	3.3	5V	12V	15V
Input Voltage Range	VDC	9 - 36V or 18 - 76VDC			
Input Current	A	0.32 - 0.74A (model dependant)			
Output Voltage Adjustment	VDC	2.97 - 3.63	4.5 - 5.5	10.8 - 13.2	13.5 - 16.5
Output Voltage Accuracy	%	±2%			
Ripple & Noise (max) pk-pk	mV	70	70	95	95
Line Regulation (max)	mV	13.2	20	48	60
Load Regulation (max)	mV	13.2	20	48	60
Overcurrent Protection	%	>105% (Hiccup current style)			
Overvoltage Protection	%	-			
Remote On/Off	-	Yes; Low = ON, Open = OFF			
Operating Temperature	°C	-40°C to +110°C Case, -40°C to +85°C Ambient. See installation manual for operation above 60°C			
Storage Temperature	°C	-55°C to +125°C			
Temperature Coefficient	%/°C	0.02%/°C			
Humidity (non condensing)	%RH	5 - 95% RH Operating and Non Operating			
Cooling	-	Convection or forced air			
Withstand Voltage	VAC	Input to Case: 1kVDC; Input to Output 1.5kVDC; Output to Case: 1kVDC			
Isolation Resistance	-	>100M at 25°C and 70%RH, Output to Case 500VDC			
		Non Operating, 10-55Hz (sweep for 3 min.)			
Vibration	-	Amplitude 1.52mm constant (Max 98m/s ²) X,Y,Z 1 hour each			
Shock	-	490.3m/s ²			
Safety Agency Certifications	-	UL60950-1, CSA60950-1, EN60950-1, CE Mark			
Weight (Typ)	g	20g			
Size (WxHxD)	in (mm)	1.0 x 0.39 x 1.0" (25.4 x 9.9 x 25.4)			
Warranty	yrs	5 Years			

Note: See Installation Manual for full details, test methods of parameters and application notes

Output Ratings

Model	Output Voltage (V)	Output Current (A)	Input Voltage (V)	Maximum Power (W)	Input Current at Nominal Input (A)	Efficiency (%) (100% load, nominal input)
CCG15-24-03S	3.3	4	9 - 36	13.2	0.65	85
CCG15-24-05S	5	3	9 - 36	15.0	0.72	87
CCG15-24-12S	12	1.3	9 - 36	15.6	0.74	88
CCG15-24-15S	15	1	9 - 36	15.0	0.71	88
CCG15-48-03S	3.3	4	18 - 76	13.2	0.32	85
CCG15-48-05S	5	3	18 - 76	15.0	0.36	87
CCG15-48-12S	12	1.3	18 - 76	15.6	0.37	88
CCG15-48-15S	15	1	18 - 76	15.0	0.36	88

Outline Drawing



For Additional Information, please visit us.tdk-lambda.com/lp/products/ccg-series.htm

