



Industrial



Test



Comm



Broadcast

## 15W DC-DC Converters



Features	Benefits
• Industry Standard 1" x 1" Footprint	• Fits in place of 2 x 1" converters
• Wide Range DC Input 9 - 36 or 18 - 76V	• Less Parts to Inventory
• High Efficiency - Up to 88%	• Easier System Thermal Management
• Six Sided Shielding	• Reduced Radiated Noise

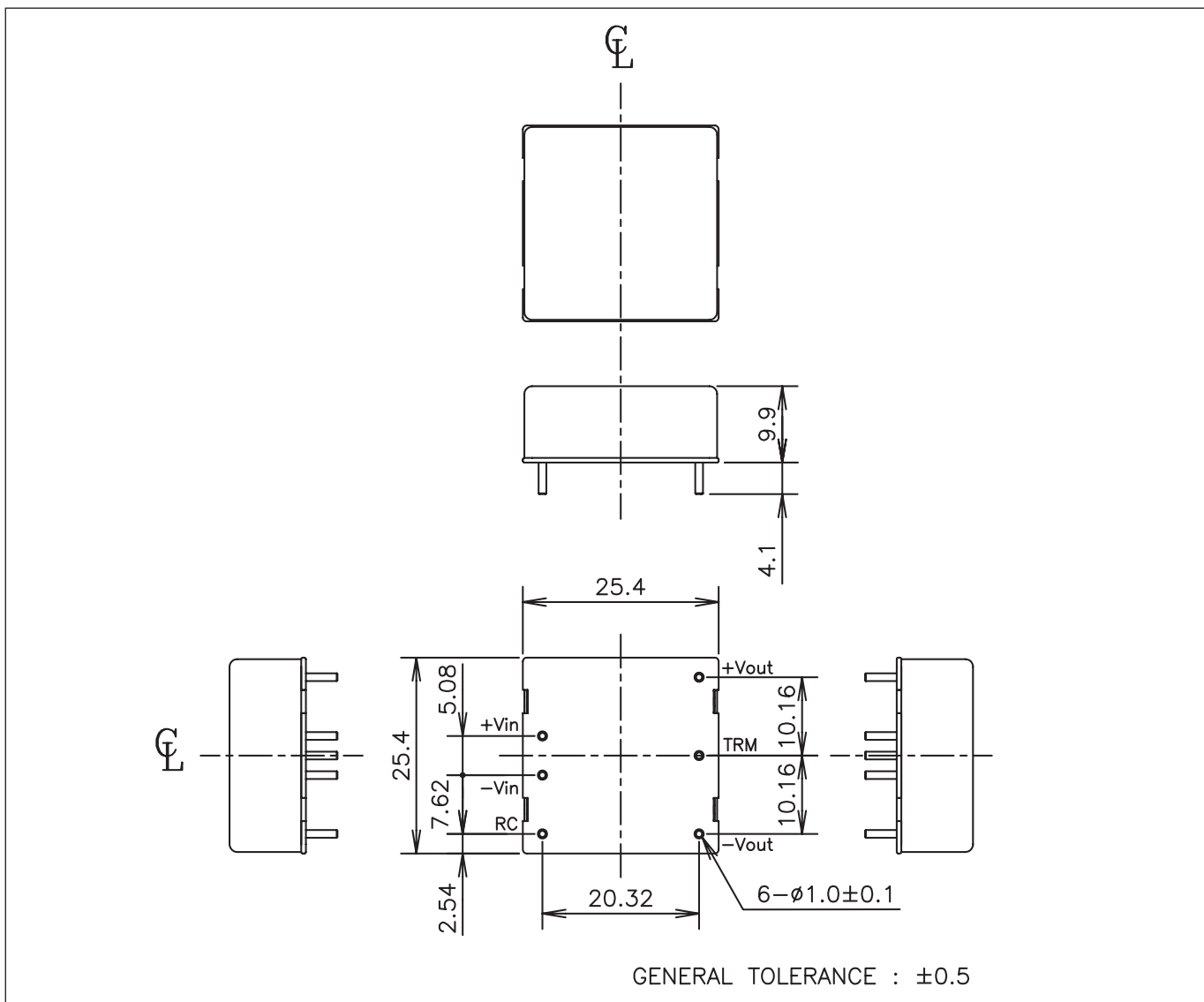
Specification		CCG15			
Model		CCG15			
ITEMS					
Nominal Output Voltage	VDC	3.3	5V	12V	15V
Input Voltage Range	VDC	9 - 36V or 18 - 76VDC			
Input Current	A	0.32 - 0.74A (model dependant)			
Output Voltage Adjustment	VDC	2.97 - 3.63	4.5 - 5.5	10.8 - 13.2	13.5 - 16.5
Output Voltage Accuracy	%	±2%			
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 <sup>2</sup> ) X,Y,Z 1 hour each			
Shock	-	490.3m/s <sup>2</sup>			
Safety Agency Certifications	-	UL60950-1, CSA60950-1, EN60950-1, CE Mark			
Weight (Typ)	g	20g			
Size (WxHxD)	mm	25.4 x 9.9 x 25.4			
Warranty	yrs	5			

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

## Model Selector Single Output

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 CCG15 Series





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