

# CU Series unregulated Single/Dual output 0.5W ~ 2.0W



- DIL 8pin Package 3.3V 5V 12V or 24V Voltage Input
- Output Power Rate From 0.5W To 2.0W Available
- No Heat Sink Required
- Internal SMD Construction
- No External Components Required

## Selection Guide

Input Voltage Vdc	Output Voltage Vdc	Output Current (mA)			Ripplr Noise mV	Series Number Selector Guide	Rrmrks
		0.5W	1.0W	2.0W			
3.30	3.30	151.50	303.30	500.00	80.00	<b>CUS-05050-0.5L</b> C : Case Type U : Unregulated S : Single Output 05 : Input Voltage 05 : Output Voltage 0 : Revision Code (0..9..A..Z) 0.5 : Output Power Rate L : Leadfree Process	Customer And Special Design On Request
	5.00	100.00	200.00	400.00	80.00		
5.00	12.00	41.60	83.30	166.60	100.00		
	15.00	33.30	66.60	133.30	120.00		
12.00	24.00	20.80	41.60	83.30	150.00		
	±5.00	±50.00	±100.00	±200.00	±80.00		
15.00	±12.00	±20.80	±41.60	±83.30	±100.00		
	±15.00	±16.60	±33.30	±66.60	±150.00		

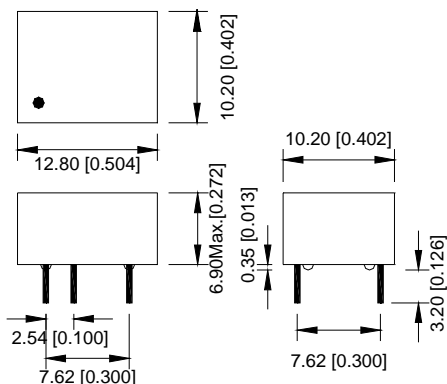
## Specifications

All Specification Are Typical Nominal Line, Full Load And 25°C Unless Otherwise Notes.

General Characteristics					
Parameter	Conditions	Min.	Typ.	Max.	Units
Isolation Voltage	60 Seconds	1000	-----	-----	VDC
Isolation Resistance	500VDC	1000	-----	-----	MOhm
Isolation Capacitance	100MHz, 1V	-----	60	100	pF
Switching Frequency		45	80	120	KHz
MTBF MIL-HDBK-217F @25°C		1.5	-----	-----	MHrs
Absolute Maximum Ratings					
Parameter		Min.	Max.	Units	
Input Surge Voltage ( 1000ms )	5VDC Input Models	-0.7	9.0	VDC	
	12/15VDC Input Models	-0.7	18.0	VDC	
	24VDC Input Models	-0.7	30.0	VDC	
Wave Reflow Soldering Temperature		10 Sec. 265°C Max.			

Environmental Characteristics					
Parameter	Conditions	Min.	Max.	Units	
Operating Temperature	Ambient	-40	+71	°C	
Storage Temperature		-40	+125	°C	
Humidity		-----	95	%	
Cooling	Free-Air Convection				
Output Characteristics					
Parameter	Conditions	Min.	Typ.	Max.	Units
Line Regulation	For 1% Of Vin	-----	±1.2	±1.5	%
Load Regulation	20% To 100%	±8.0	-----	±12.0	%
Out put Volt Balance	Dual Out only	-----	±1.0	±1.2	%
Out put Volt Accuracy		-----	-----	±3.0	%
Short Circuit		-----	-----	0.5	Sec.

## Dimensions And Pinout ( Unit : mm[inch] +/-0.15mm )



Pin Connection		
Pin	Single Out	Dual Out
1	-Input Voltage	-Input Voltage
4	+Input Voltage	+Input Voltage
5	+Output Voltage	+Output Voltage
7	-Output Voltage	Com.
8	Omitted	-Output Voltage

