

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)			Ripple Noise mV	Series Number Selector Guide	Remarks
		0.5W	1.0W	2.0W			
3.30	3.30	151.50	303.30	500.00	80.00	CUS-05050-0.5L 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		

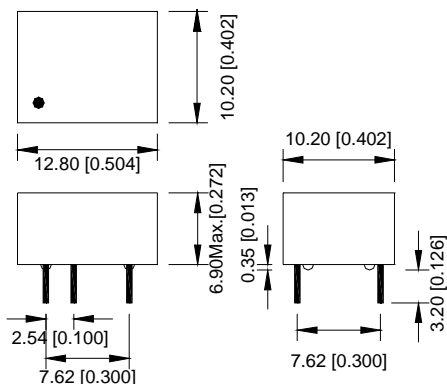
Specifications

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

