MUD Series unregulated single output 0.5W ~ 2.0W

- SMD 10pin 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) 0.5W	1.0W	2.0W	Ripplr Noise mV	Series Number Selector Guide	Rrmarks
3.30						**MUD-05050-1L** **M :** Case Type **U :** Unregulated **D :** Dual Output **05 :** Input Voltage **05 :** Output Voltage **0 :** Revision Code (0..9..A..Z) **1 :** Output Power Rate **L :** Leedfree Process	Customer And Special Design On Request
5.00	±5.00	±50.00	±100.00	±200.00	80.00		
12.00	±12.00	±21.00	±42.00	±83.00	100.00		
15.00	±15.00	±16.00	±33.00	±67.00	100.00		
24.00	±24.00	±10.00	±21.00	±42.00	150.00		

Specifications

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

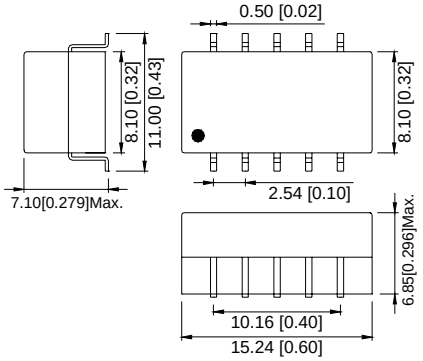
General Characteristics					
Parameter	Conditions	Min.	Typ.	Max.	Units
Isolation Voltage	60 Seconds	1000	-----	-----	VDC
Isolation Resistance	500VDC	1000	-----	-----	MOhm
Isolation Capacitance	100MHz,1V	-----	60	100	pF
Switching Frequency		45	80	120	KHz
MTBF MIL-HDBK-217F @25°C		1.5	-----	-----	MHrs

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
IR Reflow Soldering Temperature		15 Sec. 260°C Max.		

Environmental Characteristics				
Parameter	Conditions	Min.	Max.	Units
Operating Temperature	Ambient	-40	+65	°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	Pin Function
1	-Input Voltage
2	+Input Voltage
4	Common
5	-Output Voltage
7	+Output Voltage
Pin 3,6,8,9 Omitted Available