

# MUS Series unregulated single output 0.5W ~ 2.0W



- SMD 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
- Hi-Isolation 3KVdc Available ( Case Size Same As MUD Series )

## Selection Guide

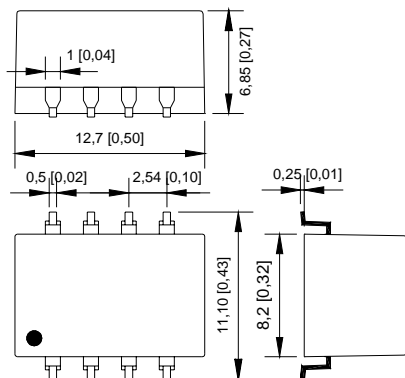
Input Voltage Vdc	Output Voltage Vdc	Output Current (mA)			Ripplr Noise mV	Series Number Selector Guide	Rmarks
		0.5W	1.0W	2.0W			
3.30	3.30	151.50	303.30		80.00	<b>MUS-05050-1L</b> <b>M</b> : Case Type <b>U</b> : Unregulated <b>S</b> : Single Output <b>05</b> : Input Voltage <b>05</b> : Output Voltage <b>0</b> : Revision Code (0..9..A..Z) <b>1</b> : Output Power Rate <b>L</b> : Leedfree Process	Customer And Special Design On Request
	5.00	100.00	200.00	400.00	80.00		
5.00	9.00	55.50	111.00	222.00	100.00		
12.00	12.00	41.60	83.30	166.00	100.00		
15.00	15.00	33.30	66.60	133.00	120.00		
24.00	24.00	20.80	41.60	83.00	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	
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	-----	-----	-----	%
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	-Output Voltage
5	+Output Voltage
Pin 3,6,7 Omitted Available	

