

# RSH Series Regulated single output 0.5W ~ 1.0W

- **Hi-Efficiency** Series Up To 80 %
- DIL 8pin,SIP 7pin,SMD 10pin Package 5V 12V or 24V Voltage Input
- Output Power Rate From 0.5W To 1.0W Available
- No Heat Sink Required
- Internal SMD Construction
- No External Components Required

## Selection Guide

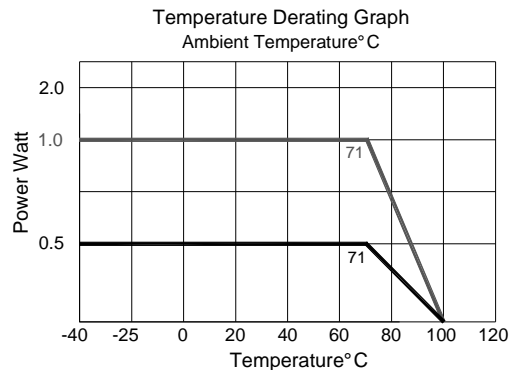
Input Voltage Vdc	Output Voltage Vdc	Output Current (mA)		Efficiency % Typiac	Ripplr Noise mV	Series Number Selector Guide	Rremarks
		0.5W	1.0W				
5.00 12.00 24.00 (+/-5%)	2.50	200.00	400.00	70%	50.00	<b>RSH-05050-0.5C</b> R : Model Type S : Single Output H : Hi-efficiency 05 : Input Voltage 05 : Output Voltage 0 : Revsion 0.5 : Output Power Rate C : Case stple	Customer And Special Design On Request
	3.30	151.00	303.00	75%	50.00		
	5.00	100.00	200.00	80%	50.00		

## 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		1.0	-----	-----	MHrs	
Absolute Maximum Ratings						
Parameter			Min.	Max.	Units	
Input Surge Voltage ( 500ms )	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. 260°C Max.			

Environmental Characteristics					
Parameter	Conditions	Min.	Max.	Units	
Operating Temperature	Ambient	-20	+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	-----	-----	±0.5	%
Load Regulation	20% To 100%	-----	-----	±0.5	%
Out put Volt Balance	Dual Out only	-----	-----	-----	%
Out put Volt Accuracy		-----	-----	±3.0	%
Short Circuit		-----	-----	0.5	Sec.

## Deratings



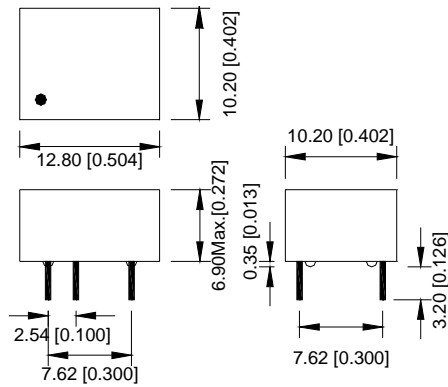
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Dimensions And Pinout ( Unit : mm[inch] +/-0.15mm )



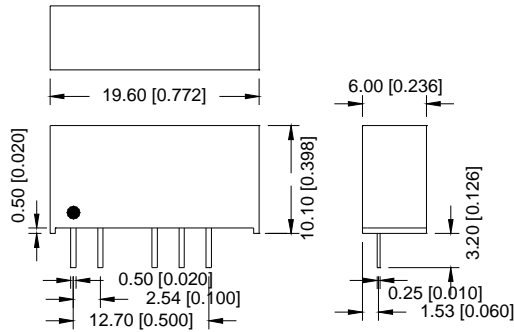
RSH-xxxx0-xC Series



Pin Connection	
Pin	Pin Function
1	-Input Voltage
4	+Input Voltage
5	+Output Voltage
7	-Output Voltage



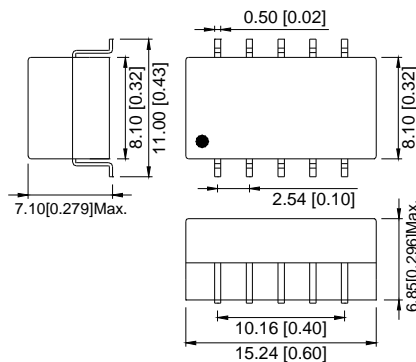
RSH-xxxx0-xB Series



Pin Connection	
Pin	Pin Function
1	+Input Voltage
2	-Input Voltage
4	-Output Voltage
6	+Output Voltage
5	Omitted



RSH-xxxx0-xM Series



Pin Connection	
Pin	Pin Function
1	-Input Voltage
2	+Input Voltage
5	-Output Voltage
7	+Output Voltage

Pin 3,6,8,9 Omitted Available

