

YS5M SERIES



Input: 100-240VAC 50/60Hz
Output Voltage: 5V-36V DC
Rated Power: 5W max

Features

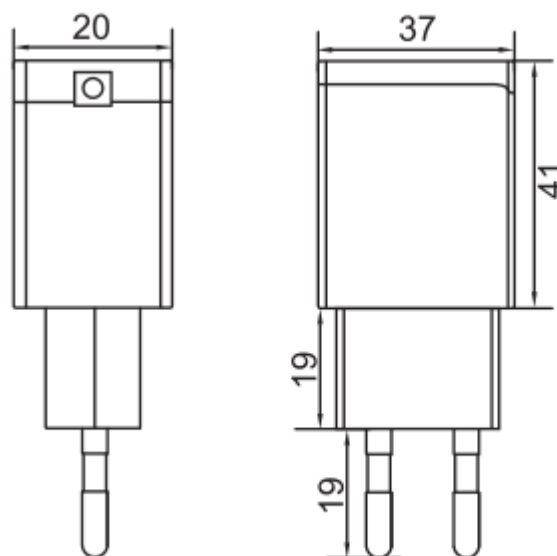
Univeral AC input/ Full range
Energy efficiency level VI
Leakage Current: < 0.1mA
Extremely low leakage current
Protection:Over load/Over voltage/Short circuit
Withstand voltage : 4KV
Life Warranty: 3 years

Application

Digital equipment
Electric curtains
Kitchen appliances
Household appliances



■ Dimensions and Installation

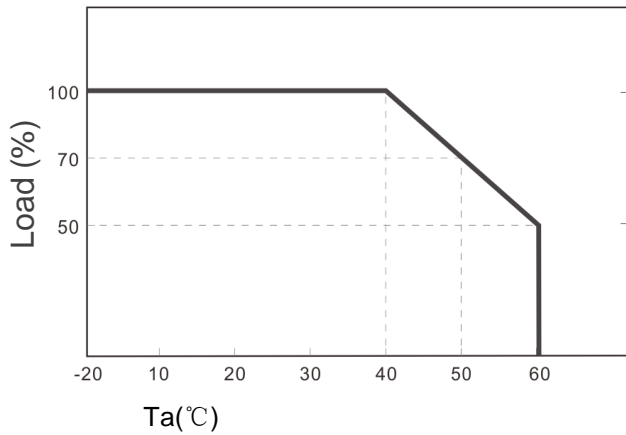


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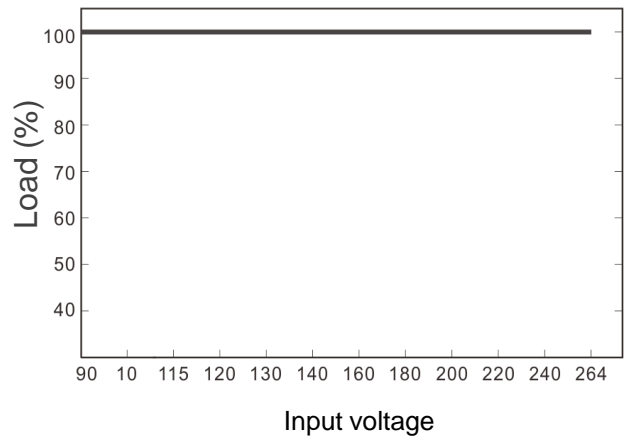
MODEL DETAIL SPEC.		YS5M-0501000	YS5M-0600830	YS5M-0750660	YS5M-0900550	YS5M-1200410	YS5M-2400200
INPUT	Input Voltage range:	90-264VAC					
	Input Frequency:	50/60Hz					
	Inrush Current:	65A/230VAC					
	AC Current:	0.2A/230VAC					
	Leakage Current:	< 0.1mA/240VAC					
	Efficiency:	75%	75%	75%	78%	79%	79%
OUTPUT	DC Voltage:	5V	6V	7.5V	9V	12V	24V
	Rated Current:	1A	0.83A	0.66A	0.55A	0.41A	0.2A
	Rated Power:	5W	5W	5W	5W	5W	4.8W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	75mVp-p	75mVp-p	75mVp-p	90mVp-p	120mVp-p	200mVp-p
	Line Regulation:	±3%					
	Load Regulation:	±5%	±5%	±5%	±5%	±5%	±5%
	Setup, Rise, Hold Up time:	1000ms, 30ms/25ms 230VAC at full load					
ENVIRONMENTAL	Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")					
	Storage Temp:	-40°C ~ 85°C					
	Storage Humidity:	10 ~ 95% RH					
	Working Humidity:	20 ~ 95% RH non-condensing					
PROTECTION	Over Load:	Above 110-180% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage:	>120% rated output power					
		Protection type: Shut down o/p voltage, re-power on to recover					
Short Circuit :	Shut down o/p voltage, re-power on to recover						
SAFETY & EMC	Safety Regulations:	TUV ,EN60601-1					
	Withstand Voltage:	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC					
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC Emission:	Compliance to EN55032 (CISPR32), Class B, EN61000-3-2,-3,					
	EMC Immunity:	EN61000-4-2,3,4,5,6,8,11					
OTHER	MTBF:	100Khrs min. MIL-HDBK-217F(25°C)					
	Size:	58*26*35mm					
	Weight:	70g / pcs					
	Packaging:	100PCS/CTN					

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Deduction curve and temperature



Minus output and input voltage curves



Functional Diagram

Standard plug: P1J

P1J	Pin Assignment
	<p>Outside ⊖ ⊕ Inside</p> <p>-V not connected to AC FG(standard)</p> <p>-V connected to AC FG(optional)</p>


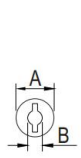
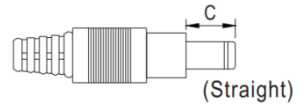
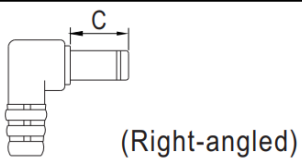

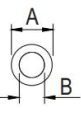
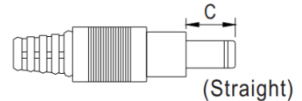
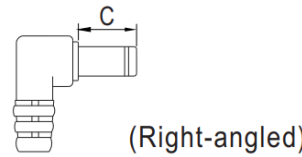

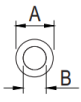
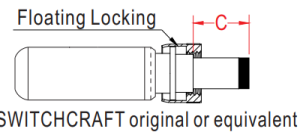

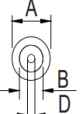
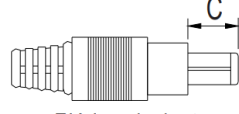



DC plug changeable through:

- (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)
- Please refer to below table and online selection guide :

Example quick adapter accessory:


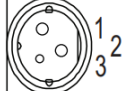
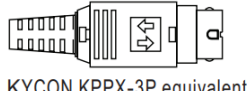

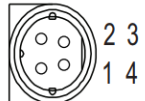
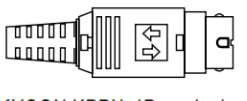


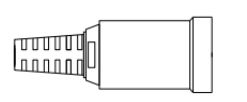


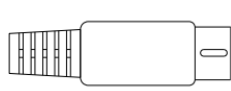


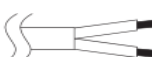
YS6V SERIES

Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)		
	P1L	5.5	2.5	9.5			
	P1M	5.5	2.1	11.0			
	P1IR	5.5	2.5	9.5			
	P1JR	5.5	2.1	11.0			
	P1LR	5.5	2.5	9.5			
	P1MR	5.5	2.5	11.0			
Barrel Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   	P2I	5.5	2.1	9.5	None		
	P2J	5.5	2.1	11.0			
	P2L	5.5	2.5	9.5			
	P2M	5.5	2.1	11.0			
	P2IR	5.5	2.5	9.5			
	P2JR	5.5	2.1	11.0			
	P2LR	5.5	2.5	9.5			
P2MR	5.5	2.5	11.0				
Lock Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   Floating Locking SWITCHCRAFT original or equivalent	P2S(S761K)	5.53	2.03	12.06	None		
	P2K(761K)	5.53	2.54	12.06			
	P2C(S760K)	5.53	2.03	9.52			
	P2D(760K)	5.53	2.54	9.52			
Center Pin Style		Type No.	A	B	C	D	Quick Adapter Accessory
			OD	ID	L	Center Pin	
   EIAJ equivalent	P4A	5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max.)	
	P4B	6.5	4.4	11.0	1.4		
	P4C	7.4	5.1	11.0	0.6		
Min. Pin Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   EIAJ equivalent	P3A	2.35	0.7	11.0	Available (Current rating: 5A max.)		
	P3B	4.0	1.7	11.0			
	P3C	4.75	1.7	11.0			

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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style	Type No.	Pin Assignment		Quick Adapter Accessory
		PIN No.	Output	
   <p>KYCON KPPX-3P equivalent</p>	R6B	1	+Vo	Available (Current rating: 7.5A max.)
		2	-Vo	
		3	+Vo	
Barrel Style	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)
   <p>KYCON KPPX-4P equivalent</p>	R7B	PIN No.	Output	
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Lock Style	Type No.	Pin Assignment		None
   <p>KYCON KPJX-CM-4S equivalent</p>	R7BF	PIN No.	Output	
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Center Pin Style	Type No.	Pin Assignment		Available (Current rating: 7.5A max.)
  	R1B	PIN No.	Output	
		1	-Vo	
		2	-Vo	
		3	+Vo	
		4	-Vo	
		5	+Vo	
Center Pin Style	Type No.	Pin Assignment		None
  	by customer	1	+Vo	
		2	-Vo	