



DC/DC 整机工控电源

JWDK 整机工控电源系列--35W 双路输出

JWDK Switching Power Supply Series--35W dual Output

典型性能 Typical Performance

- ◆外形尺寸: 110*78*36 (mm)
Dimension: 110*78*36 (mm)
- ◆宽输入电压范围 (2: 1 输入电压范围)
Wide range input voltage (2: 1 range input voltage)
- ◆高效率、高功率密度、低纹波
High efficiency、High power density、Low ripple & noise
- ◆金属外壳, 八面屏蔽,
Metal shell, Eight face shield
- ◆安规: EN60950
Ann rules: EN60950



输入特性 Input Features

输入电压范围 Input voltage range	标称 12V: Nominal voltage12V	9.5~18VDC
	标称 24V Nominal voltage24V	18~36VDC
	标称 48V Nominal voltage48V	36~72VDC
	标称 110V Nominal voltage110V	66~160VDC

输出特性 Output Features

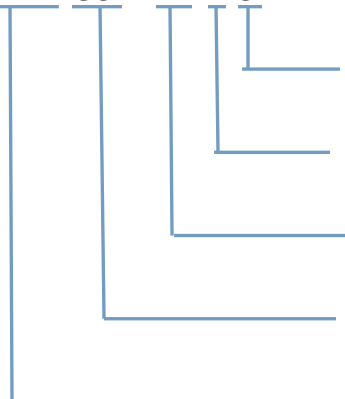
输出电压精度 Voltage tolerance	标称电压 Nominal voltage	$V_{01} \cong \pm 1\%$ (3.3V、5V $\cong \pm 2\%$), $V_{02} \cong \pm 5\%$
电压调整率 Line regulation (full load)	输入电压从低端到高端变化 Change of input voltage from lowend to highend	$V_{01} \cong \pm 0.5\%$, $V_{02} \cong \pm 1.5\%$
负载调整率 Load regul	20%~100%负载变化 20%~100% Load change	$V_{01} \cong \pm 0.5\%$, $V_{02} \cong \pm 3\%$
温度系数 Temperature coefficient		$\pm 0.02\%/^{\circ}\text{C}$
过功率保护 Output overload Protection		115~150%额定电流, 自恢复 115~150%rated output powerl, auto recovery
短路保护 Short Circuit Protection		长期, 自恢复 Long-term, auto recovery
过冲幅度 Overshoot	25% 额定负载变化 25% rated load change	$\cong 25\mu\text{S}$
	$\Delta V_{01} / V_{01}$	$\cong \pm 5.0\%$

一般特性 General Features

隔离耐压 Withstand voltage	输入对输出、输入对地 I/P-O/P、I/P-F/G 输出对地 O/P -F/G 输出对输出 (隔离) O/P-O/P((1 分钟, 漏电流 $\cong 5\text{mA}$) (1Mintute leakage current) $\cong 5\text{mA}$)	1500VAC 500VAC 500VDC
绝缘电阻 Isolation resistance	500V	$\cong 50\text{M}\Omega$
MTBF	环境 25°C Environment 25°C	$2.0 \times 10^5 \text{Hrs}$
工作温度 Operating temperature	55°C 以上降额使用 Above 55°C derating make	-25°C~70°C (-40°C~70°C)
储存温度 Storage temperature		-40°C~85°C
工作相对湿度 Operating humidity	无凝露及结冰现象 (non condensing)	10%~90%RH
储存相对湿度 Storage humidity	无凝露及结冰现象 (non condensing)	5%~95%RH
冷却方式 Cooling method		自然冷却 Convection

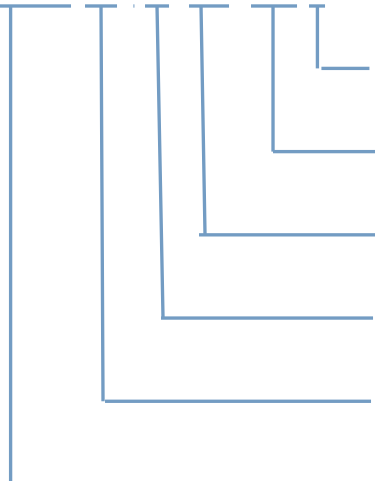
命名方式 Naming Rules

JWDK 35 - 24 D 5



输出电压
Output voltage
双路共地输出
Dual common-GND output
标称输入电压
Nominal Input voltage
输出功率
Output power
DC/DC 工控电源
DC/DC Switching Power Supply

JWDK 35- 24 S5 S12 I



隔离输出
Isolate output
输出电压 V_{o2}
Output voltage V_{o2}
输出电压 V_{o1}
Output voltage V_{o1}
标称输入电压
Nominal Input voltage
输出功率
Output power
DC/DC 工控电源
DC/DC Switching Power Supply

产品选型 Product selection

产品型号 Model No.	输入电压 Input voltage V_{in}	输出电压 Output voltage V_o	输出电流 Output current I_o	输出电压精度 Output voltage tolerance	纹波噪声 R&N $V_{(P-P)mV}$	效率 Efficiency	
JWDK35-12D5	9.5~18V	+5V	0.3~3.5A	±2%	80mV	77%	
JWDK35-12D12		-5V	0.3~3.5A	±5%	100mV		
JWDK35-12D24		+12V	0.2~1.5A	±1%	100mV	81%	
JWDK35-12S5S5I		-12V	0.2~1.5A	±3%	100mV		
JWDK35-12S5S12I		+24V	0.1~0.7A	±1%	150mV	83%	
JWDK35-12S12S5I		-24V	0.1~0.7A	±3%	150mV		
JWDK35-12S24S5I		+5V	0.5~5.0A	±2%	80mV	77%	
JWDK35-12S5S12I		+5V	0.2~2.0A	±5%	100mV		
JWDK35-12S12S12I		+5V	0.5~5.0A	±2%	80mV	79%	
JWDK35-12S24S24I		+12V	0.1~1.0A	±5%	100mV		
JWDK35-24D5		18~36V	+5V	0.3~3.5A	±2%	80mV	78%
JWDK35-24D12			-5V	0.3~3.5A	±5%	100mV	
JWDK35-24D24	+12V		0.2~1.5A	±1%	100mV	81%	
JWDK35-24S5S5I	-12V		0.2~1.5A	±3%	100mV		
JWDK35-24S5S12I	+24V		0.1~0.7A	±1%	150mV	83%	
JWDK35-24S12S12I	-24V		0.1~0.7A	±3%	150mV		
JWDK35-24S12S24I	+5V		0.5~5.0A	±2%	80mV	78%	
JWDK35-24S5S12I	+5V		0.2~2.0A	±5%	100mV		
JWDK35-24S12S12I	+5V		0.5~5.0A	±2%	80mV	79%	
JWDK35-24S12S24I	+12V		0.1~1.0A	±5%	100mV		
JWDK35-48D5	36~72V		+5V	0.3~3.5A	±2%	80mV	78%
JWDK35-48D12			-5V	0.3~3.5A	±5%	100mV	
JWDK35-48D24		+12V	0.2~1.5A	±1%	100mV	81%	
JWDK35-48S5S5I		-12V	0.2~1.5A	±3%	100mV		
JWDK35-48S5S12I		+24V	0.1~0.7A	±1%	150mV	83%	
JWDK35-48S12S12I		-24V	0.1~0.7A	±3%	150mV		
JWDK35-48S12S24I		+5V	0.5~5.0A	±2%	80mV	78%	
JWDK35-110D5		+5V	0.2~2.0A	±5%	100mV		
JWDK35-110D12		+5V	0.5~5.0A	±2%	80mV	79%	
JWDK35-110D24		+12V	0.1~1.0A	±5%	100mV		
JWDK35-110D5		+12V	0.2~2.5A	±1%	120mV	80%	
JWDK35-110D12		+5V	0.1~1.0A	±5%	100mV		
JWDK35-110D24	+24V	0.2~1.5A	±1%	150mV	82%		
JWDK35-110D5	+5V	0.1~1.0A	±5%	100mV			
JWDK35-110D12	+5V	0.3~3.5A	±2%	80mV	78%		
JWDK35-110D24	-5V	0.3~3.5A	±5%	100mV			
JWDK35-110D5	+12V	0.2~1.5A	±1%	100mV	81%		
JWDK35-110D12	-12V	0.2~1.5A	±3%	100mV			
JWDK35-110D24	+24V	0.1~0.7A	±1%	150mV			

JWDK35-110D24	72~144V	-24V	0.1~ 0.7A	±3%	150mV	83%
JWDK35-110S5S5I		+5V	0.5~ 5.0A	±2%	80mV	78%
		+5V	0.2~2.0A	±5%	100mV	
JWDK35-110S5S12I		+5V	0.5~5.0A	±2%	80mV	79%
JWDK35-110S12S12I		+12V	0.1~1.0A	±3%	100mV	
		+12V	0.2~2.5A	±1%	120mV	80%
JWDK35-110S12S24I		+5V	0.1~1.0A	±5%	100mV	
		+24V	0.2~1.5A	±1%	150mV	82%
	+5V	0.1~ 1.0A	±5%	100mV		

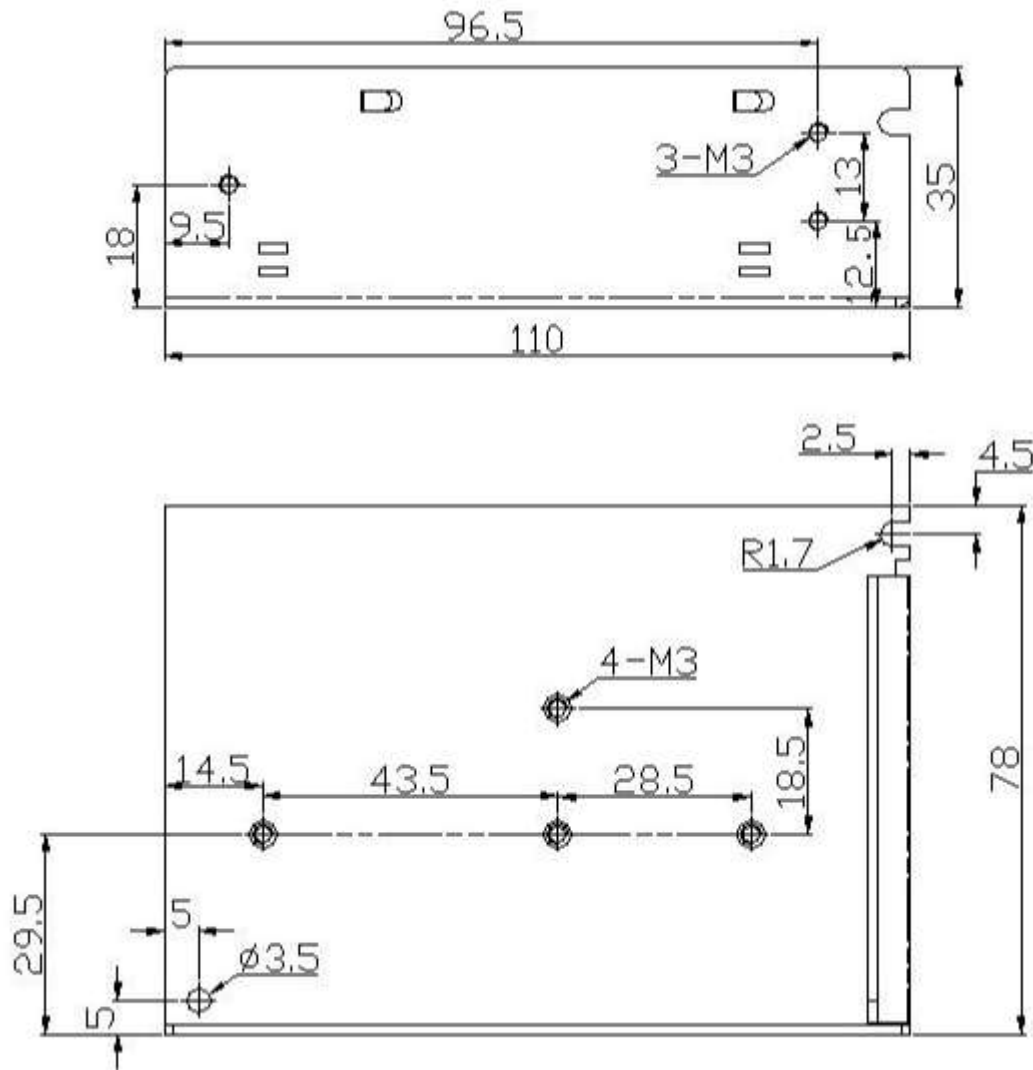
注：1、纹波噪声测试方法：使用一根 12” 双绞线，在终端并联 0.1uF 和 47uF 电容，在 20MHz 带宽下测试。

2、因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部联系。

Note: 1、Ripple & noise are measured at 20MHz of bandwidth by using a 12”twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor

2、Due to space limitations ,the above list is only for some products, If other than a list of products, please contact the Company’s sales department.

安装尺寸图 MechanicalData



注：电源安装尺寸如与选型手册不符，请以实物尺寸为准。

Note: Power mechanical data does not match with the hand book, Please refer to product size.