



## JWDKT 铁路机车整机工控电源--75W 单路输出

JWDKT Railway locomotive Switching Power Supply-- 75W Single Output

### 典型性能 Typical Performance

- ◆外形尺寸: 160\*98\*40 (mm)  
Dimension: 160\*98\*40 (mm)
- ◆宽输入电压范围  
Wide range input voltage
- ◆高效率、高功率密度、低纹波  
High efficiency、High power density、Low ripple & noise
- ◆105℃长寿命电解电容  
105℃ long life electrolytic capacitors
- ◆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 110V Nominal voltage 110V 标称 72V Nominal voltage 72V	66~160VDC  45~135VDC
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### 输出特性 Output Features

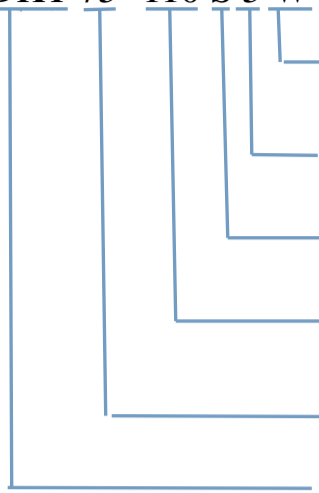
输出电压精度 Voltage tolerance	标称电压 Nominal voltage	$\leq \pm 1\%$ (3.3V、5V $\leq \pm 2\%$ )
电压调整率 Line regulation (full load)	输入电压从低端到高端变化 Change of input voltage from lowend to highend	$\leq \pm 0.5\%$
可调范围 Adjustment range		$\pm 10\%$
负载调整率 Load regul	20%~100%负载变化 20%~100% Load change	$V_O \leq \pm 0.5\%$
纹波噪声 Ripple&Noise	20M 带宽 20M Bandwidth	$\leq 1\%$
温度系数 Temperature coefficient		$\pm 0.02\%/^{\circ}\text{C}$
过流保护 Output overcircuit Protection		115~150%额定电流, 自恢复 115~150%rated output circuit, 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	$\leq 500\mu\text{S}$
	$\Delta V_{O1} / V_{O1}$	$\leq \pm 4.0\%$

### 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 输入对地 I/P-F/G (1分钟, 漏电流 $\leq 5\text{mA}$ ) (1Mintute ,leakage current) $\leq 5\text{mA}$ )	1500VAC  500VAC
绝缘电阻 Isolation resistance	500V	$\geq 50\text{M}\Omega$
MTBF	环境 25℃ Environment 25℃	$2.0 \times 10^5$ Hrs
工作温度 Operating temperature	55℃以上降额使用 Above 55℃ derating make	-40℃~70℃
储存温度 Storage temperature		-40℃~85℃
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

**JWDKT 75- 110 S 5 W**



W: 输入电压 45~135V; 无标注: 输入电压 66~160V  
 W: Input voltage range 45~135V; Not marked input voltage range 66~160V  
 输出电压  
 Output voltage  
 单路输出  
 Single Output  
 标称输入电压  
 Nominal Input voltage  
 输出功率  
 Output power  
 DC/DC 铁路机车整机工控电源  
 DC/DC Railway locomotive Switching Power Supply

**产品选型** Product selection

产品型号 Model No.	输入电压范围 Input voltage $V_{in}$	输出电压 Output voltage $V_o$	输出电流 Output current $I_o$	纹波噪声 R & N $V_{(P-P)mV}$	效率 Efficiency
JWDKT75-110S3.3	66~160V	3.3V	22.7A	100	74%
JWDKT75-110S5		5V	15.0A	100	76%
JWDKT75-110S12		12V	6.3A	120	79%
JWDKT75-110S15		15V	5.0A	120	80%
JWDKT75-110S24		24V	3.2A	150	83%
JWDKT75-110S3.3W	45~135V	3.3V	22.7A	100	74%
JWDKT75-110S5W		5V	15.0A	100	76%
JWDKT75-110S12W		12V	6.3A	120	78%
JWDKT75-110S15W		15V	5.0A	120	79%
JWDKT75-110S24W		24V	3.2A	150	82%

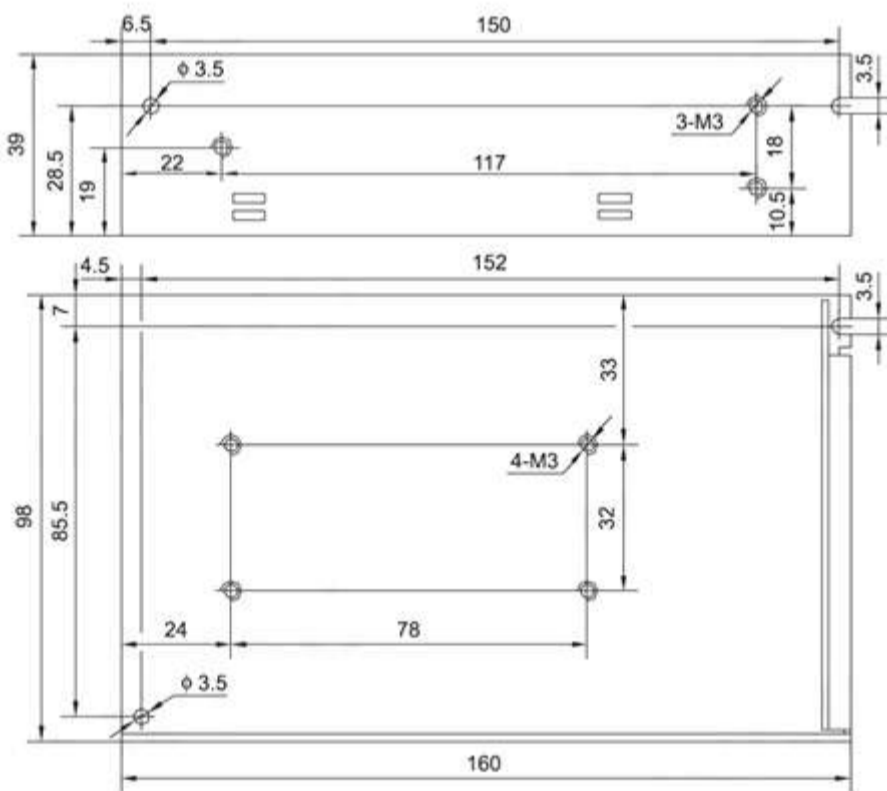
注：1、纹波噪声测试方法：使用一根 12” 双绞线，在终端并联 0.1uF 和 47uF 电容，在 20MHz 带宽下测试。

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** Mechanical Data



注：电源安装尺寸如与选型手册不符，请以实物标签上的标注为准。

Note: Power mechanical data does not match with the hand book, please refer to the actual item.