

J40-50RQW SERVES

- 封装尺寸Size dimensional: 130.0x70.0x26.0mm
- 宽范围输入Wide input voltage range
- 转换效率典型Typical efficiency :80%
- 开关频率Switching frequency:300KHz±30KHz
- 过流、短路保护,自恢复Over current、short circuit protection
- 输入与输出高隔离Input-output isolate
- PCB板上直插式安装Board in-line type installs
- 温度适应范围宽Wide temperature range
- 50/25Hz修正正弦波输出Output Correction sine wave

外形图Outside drawing



CE RoHS

输入特性Input

| 输入电压范围 Input voltage range | 2:1输入范围input voltage range | | | 4:1输入范围input voltage range | | |
|-------------------------------|----------------------------|----------|----------|----------------------------|----------|----------|
| | 标称Nom(V) | 最小Min(V) | 最大Max(V) | 标称Nom(V) | 最小Min(V) | 最大Max(V) |
| | 12V | 9V | 18V | | | |
| | 24V | 18V | 36V | | | |
| | 48V | 36V | 72V | | | |
| 96/110V | 72V | 144V | | | | |

遥控端Remote ON/OFF 高电平(5-48v)或悬空工作High level or vacant 低电平(<0.3v)或接地关断Low level or ground

输出特性Output

| | | |
|--------------------------------|------------------------------|------------------|
| 输出电压精度Output voltage accuracy | 标称电压Nominal output voltage | Vo1:±5% |
| 源效应Line regulation | 标称负载, 全范围Nominal load, gamut | Vo1:±0.5% |
| 负载效应Load regulation | 20%~100%额定负载Rated load | Vo1:±1.0% |
| 输出波形Output waveform | 修正正弦波Correction sine wave | |
| 输出频率Output frequency | 25/50Hz | ±3Hz |
| 失真度Distortion factor | Nom:±2% | Max:±5% |
| 输出电压调节Output voltage adjust | | 无调节端No adjust |
| 启动延迟时间Start delay time | 典型值Typical | ≤200mS |
| 输出短路保护Short circuit protection | 过流保护Over-current protection | 自恢复Auto recovery |

一般特性General

| | | |
|---------------------------|---------------------------|------------------------------|
| 转换效率Efficiency | Vo≤5.0V:80%典型Typical | Vo>5.0V:85%典型Typical |
| 开关频率Switching frequency | 300KHz典型Typical | 330KHz最大Max |
| 工作温度Operating temperature | 自由空气对流Free air convection | -25℃~+75℃工业级Industrial level |
| | | -40℃~+85℃军级Military I level |
| 焊接温度Welding temperature | 手工焊接Hand welding | 360±10℃;时间Time:5~10S |
| | 波峰焊接Wave welding | 260±5℃;时间Time:3~5S |
| 储存温度Storage temperature | | -40℃~+105℃ |
| 相对湿度Relative humidity | | 10%~90% |
| 外壳材料Case material | | 黑色金属Black metal case:DC |
| 隔离电压Isolation voltage | 输入与输出Input and output | 1000Vdc≤0.5mA/1分钟Minute |
| | 输入与外壳Input and case | 1000Vdc≤0.5mA/1分钟Minute |
| 最小无故障间隔时间 (MTBF) | | 2X10 ⁴ Hrs |

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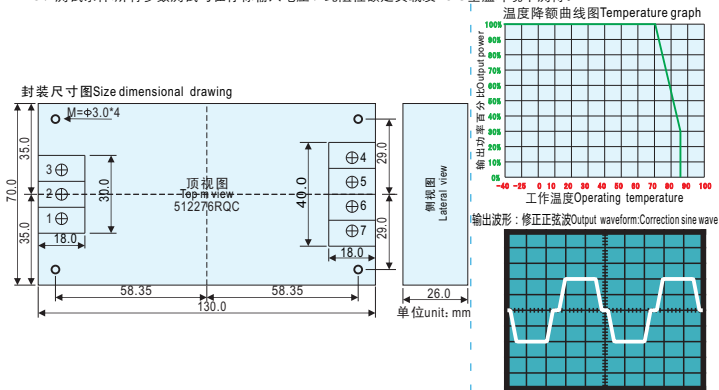
典型应用Type

| 输入电压范围 Input voltage range | 输出电压 Output voltage | 输出电流 Output current | 输出波形 Output waveform | 输出频率 Output frequency | 型号 Type |
|--|------------------------|------------------------|-------------------------|--------------------------|---------------|
| 12V(9-18V) 24V(18-36V) 48V(36-72V) 96V(72-144V) 96/110V(72-144V) | 12Vac | 3.33A | Correction sine | 25/50Hz | J40RQW12S12E4 |
| | 24Vac | 1.66A | Correction sine | 25/50Hz | J40RQW12S24E4 |
| | 75Vac | 533mA | Correction sine | 25/50Hz | J40RQW12S75E4 |
| | 12Vac | 3.33A | Correction sine | 25/50Hz | J40RQW24S12E4 |
| | 24Vac | 1.66A | Correction sine | 25/50Hz | J40RQW24S24E4 |
| | 75Vac | 533mA | Correction sine | 25/50Hz | J40RQW24S75E4 |
| | 12Vac | 3.33A | Correction sine | 25/50Hz | J40RQW48S12E4 |
| | 24Vac | 1.66A | Correction sine | 25/50Hz | J40RQW48S24E4 |
| | 75Vac | 533mA | Correction sine | 25/50Hz | J40RQW48S75E4 |
| | 12Vac | 4.16A | Correction sine | 25/50Hz | J50RQW12S12E4 |
| | 24Vac | 2.08A | Correction sine | 25/50Hz | J50RQW12S24E4 |
| | 75Vac | 666mA | Correction sine | 25/50Hz | J50RQW12S75E4 |
| | 12Vac | 4.16A | Correction sine | 25/50Hz | J50RQW24S12E4 |
| | 24Vac | 2.08A | Correction sine | 25/50Hz | J50RQW24S24E4 |
| | 75Vac | 666mA | Correction sine | 25/50Hz | J50RQW24S75E4 |
| | 12Vac | 4.16A | Correction sine | 25/50Hz | J50RQW48S12E4 |
| 24Vac | 2.08A | Correction sine | 25/50Hz | J50RQW48S24E4 | |
| 75Vac | 666mA | Correction sine | 25/50Hz | J50RQW48S75E4 | |

注1、因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部或办事处联系。

2、当工作温度为+70℃时，应按温度降额曲线图使用。

3、测试条件:所有参数测试均在标称输入电压、纯阻性额定负载及25℃室温环境下测得。



| 管脚说明Pin | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-----|------|------|-------|-------|-------|-------|
| 单路Single | REM | -Vin | +Vin | +Vout | +Vout | -Vout | -Vout |