



特点

- * 外形尺寸: 57.9 × 36.8 × 11.0 mm
- * 工业标准四分之一砖外形和引脚
- * 高效率、高功率密度
- * 工作温度范围宽 (-40℃~+85℃)

Features

- * Size: 2.28 × 1.45 × 0.43 inch
- * Industry Standard Quarter-Brick footprint & Pin-out
- * High Efficiency, High Power Density
- * Wide Operating Temperature Range (-40℃~+85℃)

输入特性(Input)		注释(Notes and Conditions)	
输入电压范围(Input Voltage Range)	48Vdc:	36 ~ 75Vdc	80Vdc Max
	24Vdc:	18 ~ 36Vdc	40Vdc Max
输入欠压保护(Input Undervoltage Protection)	48Vdc:	31 ~ 35Vdc	
	24Vdc:	14 ~ 17Vdc	
遥控功能(Remote On/Off Function)			
1) 正逻辑(Positive Logic)	开启(On)	高电平(3.5~18V)或悬空 (High Level (3.5~18V) or Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭(Off)	低电平(0~1.0V)或与 -Vin 短接 (Low Level (0~1.0V) or Connect to -Vin)	
2) 负逻辑(Negative Logic)	开启(On)	低电平或与 -Vin 短接 (Low Level or Connect to -Vin)	相对于 -Vin (Reference to -Vin)
	关闭(Off)	高电平或悬空 (High Level or Open Circuit)	型号后加后缀“-L” (Adding the Suffix“-L” to the Model Number)

输出特性(Output)		注释(Notes and Conditions)	
输出电压精度(Voltage Set-Point Accuracy)	± 1%	Vinom and Ionom	
输出电压调节范围(Output Voltage Trim Range)	± 10%		
源效应(Line Regulation)	± 0.2%Vo	Vimin~Vimax, Ionom	
负载效应(Load regulation)	± 0.5%Vo	0~100%Ionom, Vinom	
输出过压保护(Output Overvoltage Protection)	120%~140%Vo	Automatic Recovering	
输出过流保护点(Current Limit Threshold Range)	105%~140%Io		
短路保护(Short-Circuit Protection)	间歇, 连续可恢复 (Hiccup, Automatic Recovery)		
瞬态响应(Dynamic Response)			
过冲幅度(Peak Deviation)	± 5%Vo	25%-50%-25% of Ionom	
恢复时间 (Settling Time)	100 μs	and 50%-75%-50% of Ionom	

一般特性(General)		注释(Notes and Conditions)	
温度系数(Temperature coefficient)	± 0.02%/℃		
隔离电压(Isolation voltage)			
输入与输出 (Input-output)	1500Vdc 1min	≤ 5mA (Leakage Current)	
工作环境温度(Operating Ambient Temperature) ¹	-40℃~+85℃		
贮存温度(Storage Temperature)	-55℃~+125℃		
冷却方式(Cooling)	自然冷却(Natural Convection)	或强制风冷(or Forced Convection)	
过温保护(Thermal Shutdown Range)	105℃		
平均故障间隔时间(MTBF)	5 × 10 ⁵ h	MIL-HDBK-217	

注: 除非另有说明, 指标一般在标称输入电压、满载和环境温度 25℃, 风速为 1m/s(200ft/min)下测得。

Note: All specifications are typical at nominal input, full load at Ta= 25℃, airflow rates of 1m/s (200ft/min) unless otherwise stated.

1. 参见降额曲线图 (Reference to Derating Curve)

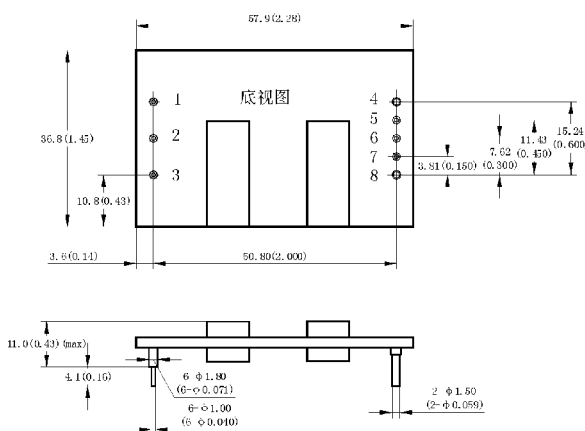
型号列表 (Models)

产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	标称负载 (Output Current) A	额定输出功率 (Output Power) W	效率 (Efficiency) %	输出杂音电压峰峰值 (Ripple and Noise) mVp-p
QSR15-48S1V8	48	1.8	15	27	87	100
QSR25-48S1V8	48	1.8	15	45	87	100
QSR15-48S2V5	48	2.5	15	37.5	90	100
QSR25-48S2V5	48	2.5	25	62.5	88	100
QSR15-48S3V3	48	3.3	25	49.5	91	100
QSR25-48S3V3	48	3.3	25	82.5	91	100
QSR10-48S5	48	5.0	10	50	91	100
QSR20-48S5	48	5.0	20	100	91	100
QSR15-24S1V8	24	1.8	15	27	87	100
QSR25-24S1V8	24	1.8	25	45	87	100
QSR15-24S2V5	24	2.5	15	37.5	89	100
QSR25-24S2V5	24	2.5	25	62.5	88	100
QSR15-24S3V3	24	3.3	15	49.5	91	100
QSR25-24S3V3	24	3.3	25	82.5	91	100

注：列表中产品型号为正逻辑遥控工能，负逻辑遥控功能产品在型号后加后缀“-L”。如：QSR25-483V3-L 是负逻辑遥控工能。
 Note: The Remote on/off Function of above Model Number is Positive Logic. Model with Negative Logic must add the suffix “-L” to the Model Number. For example, QSR25-483V3-L features Remote on/off Negative Logic.

安装尺寸 (Mechanical Drawing)

尺寸单位是 mm (inches); All Dimensions in mm (inches)



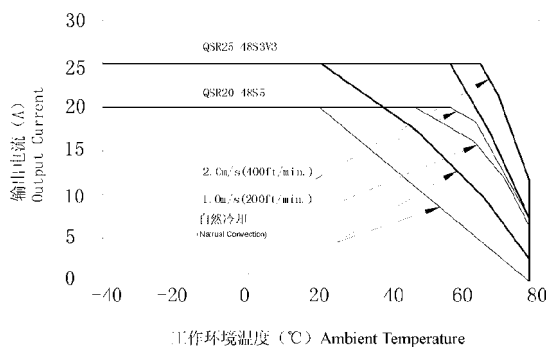
引脚定义 (Pin Definition)

引脚 (Pin)	单路 (Single)
1	-Vin
2	Rem
3	+Vin
4	-Vout
5	-S
6	Trim
7	+S
8	+Vout

未注公差按下表

(Tolerances Unless Otherwise Specified)	
mm	inches
.x ±0.5	.xx ±0.02
.xx ±0.13	.xxx ±0.005

Vin=48V 温度降额曲线 (Vin=48V Temperature Derating Curve)



输出电压调节 (Output Voltage Trim)

