Qualtek Electronics Corporation

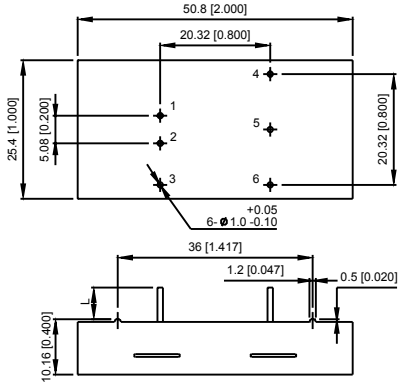
QPDD10-48S Series



Features:

- Approved to IEC/EN60950, UL60950 Safety Standards
- Wide Input Voltage: 36VDC - 75VDC
- Single Outputs: 3.3VDC, 5VDC, 12VDC, 15VDC
- Trim Function; Remote Control
- No Minimum Load Requirement

Model	QPDD10-48S3V3	QPDD10-48S05	QPDD10-48S12	QPDD10-48S15
Output Characteristics				
DC Output	3.3V	5V	12V	15V
Rated Current	3A	2A	0.83A	0.67A
Current Range	0~3A	0~2A	0~0.83A	0~0.67A
Efficiency (Typical)	77%	81%	83%	84%
Ripple and Noise (max)	100mVpp			
Voltage Adjust.	90% to 110% Vout			
Voltage Accuracy	±1.0%			
Line Regulation (max)	0.2%			
Load Regulation (max)	0.5%			
Temperature Coefficient	±0.02%/°C			
Input Characteristics				
Voltage Range	36VDC~75VDC			
Normal Voltage	48VDC			
Remote Control				
Control Voltage	Postive Logic	HIGH=ON (3.5VDC to 10VDC); LOW=OFF (-0.7VDC to 0.8VDC)		
	Negative Logic	LOW=ON (-0.7VDC to 0.8VDC); HIGH=OFF (3.5VDC to 10VDC)		
Control Current	Positive Logic	2mA max.		
	Negative Logic	4mA max.		
Protection				
Over Current	Continuous, auto recovery (3.3V, 5V)			
Short Circuit	>120% output current, auto recovery (3.3V, 5V)			
Environmental Characteristics				
Operating Amb. Temp.	-40°C~55°C			
Operating Case Temp.	-40°C~100°C			
Storage Temp.	-55°C~125°C			
Safety Standards	IEC/EN60950, UL60950			
Isolation Voltage (one minute)	Input-Output: 1500VDC. Input-Case: 1500VDC. Output-Case: 1500VDC			
General Characteristics				
MTBF	More than 2,000,000Hrs			
Dimension (LxWxH)	50.8x25.4x10.16mm (2"x1"x0.4")			



Unit: mm[inch]

Pin Assignment

Pin No.	Output
1	+Vin
2	-Vin
3	CNT
4	+Vout
5	TRIM
6	COM

Pin Length: 3.8mm

TOLERANCES: X.Xmm = ±0.5mm
X.XXmm = ±0.25mm