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产品主要特性

General Characteristics

- 4:1 宽输入范围
- 工作壳温: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- 1500Vdc 隔离耐压
- 效率高达 90%
- 输出短路保护, 自恢复
- Ultra-wide 4:1 Input Voltage Range
- Case Temperature $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- I/O-Isolation 1500Vdc
- High Efficiency Up to 90%
- Output Short-circuit Protection, Self recovery

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产品选型表

Model Selection Guide

型号 Product Model	输入电压范围 (标称值) Input Voltage Range (Typical)	输出电压 Output Voltage (Vdc)	输出电流 Output Current (A)	典型效率 Efficiency (%)
WJD5(WKD5)-24S03	9~36 (24Vdc)	3.3	1.52	80
WJD5(WKD5)-24S05		5	1	82
WJD5(WKD5)-24S12		12	0.42	85
WJD5(WKD5)-24S15		15	0.33	85
WJD5(WKD5)-24S24		24	0.21	85
WJD5(WKD5)-24D05		± 5	± 0.5	81
WJD5(WKD5)-24D12		± 12	± 0.2	82
WJD5(WKD5)-24D15		± 15	± 0.17	82
WKD10-24S03		3.3	3	84
WKD10-24S05		5	2	85
WKD10-24S12		12	0.83	85
WKD10-24S15		15	0.67	85
WKD10-24S24		24	0.42	85
WKD10-24D05		± 5	± 1	85
WKD10-24D12		± 12	± 0.42	85
WKD10-24D15		± 15	± 0.33	85
WKD15-24S03		3.3	4	86
WKD15-24S05		5	3	90
WKD15-24S12		12	1.25	87
WKD15-24S15		15	1	87
WKD15-24S24		24	0.63	87
WKD15-24D05		± 5	± 1.5	87
WKD15-24D12		± 12	± 0.63	87
WKD15-24D15		± 15	± 0.5	87
WKD20-24S03		3.3	5	87
WKD20-24S05		5	4	89
WKD20-24S12		12	1.67	89
WKD20-24S15		15	1.33	89
WKD30-24S05		5	6	87
WKD30-24S12		12	2.5	89
WKD30-24S15		15	2.0	89
WKD30-24S24		24	1.25	88
WJD5(WKD5)-48S03	18~75 (48Vdc)	3.3	1.52	80
WJD5(WKD5)-48S05		5	1	82
WJD5(WKD5)-48S12		12	0.42	85
WJD5(WKD5)-48S15		15	0.33	85

型号 Product Model	输入电压范围 (标称值) Input Voltage Range (Typical)	输出电压 Output Voltage (Vdc)	输出电流 Output Current (A)	典型效率 Efficiency (%)
WJD5(WKD5)-48S24	18~75 (48Vdc)	24	0.21	85
WJD5(WKD5)-48D05		± 5	± 0.5	81
WJD5(WKD5)-48D12		± 12	± 0.2	82
WJD5(WKD5)-48D15		± 15	± 0.17	82
WKD10-48S03		3.3	3	85
WKD10-48S05		5	2	85
WKD10-48S12		12	0.83	85
WKD10-48S15		15	0.67	85
WKD10-48S24		24	0.42	85
WKD10-48D05		± 5	± 1	85
WKD10-48D12		± 12	± 0.42	85
WKD10-48D15		± 15	± 0.33	85
WKD15-48S03		3.3	4	86
WKD15-48S05		5	3	90
WKD15-48S12		12	1.25	87
WKD15-48S15		15	1	87
WKD20-48S03		3.3	5	87
WKD20-48S05		5	4	89
WKD20-48S12		12	1.67	89
WKD20-48S15		15	1.33	89
WKD30-48S05		5	6	87
WKD30-48S12		12	2.5	89
WKD30-48S15		15	2.0	89
WKD30-48S24		24	1.25	88

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封装尺寸和管脚定义图

Outline Diagram And Pin Out

WJD5

Top View Dimensions: 22.86(0.900), 2.54(0.100), 5.08(0.200), 15.24(0.600), 31.8(1.25), 20.3(0.80).

Side View Dimensions: 10.2(0.40), 3.3(0.13) MIN., 8- ϕ 0.5 $\pm$ 0.1.

底视图 (Bottom View) shows pin locations: 2, 3, 9, 11, 23, 22, 16, 14.

定义 Pin Out	单路 Single Output	双路 Dual Output
2	-Vin	-Vin
3	-Vin	-Vin
9	NC	COM
11	NC	Vo2
14	+Vo	Vo1
16	-Vo	COM
22	+Vin	+Vin
23	+Vin	+Vin

WKD5 WKD10-30

Top View Dimensions: 20.32(0.800), 25.4(1.00), 7.62(0.300), 5.08(0.200), 20.32(0.800), 25.4(1.00).

Side View Dimensions: 10.2(0.40), 3.3(0.13) MIN., 6- ϕ 1.0 $\pm$ 0.1.

底视图 (Bottom View) shows pin locations: 1, 2, 3, 4, 5, 6.

WKD5

定义 Pin Out	单路 Single Output	双路 Dual Output
1	+Vin	+Vin
2	-Vin	-Vin
3	NP	NP
4	-Vo	Vo2
5	NP	COM
6	+Vo	Vo1

WKD10-30

定义 Pin Out	WKD10 单路 Single Output	WKD15、 WKD20、 WKD30 单路 Single Output	双路 Dual Output
1	+Vin	+Vin	+Vin
2	-Vin	-Vin	-Vin
3	CNT	CNT	CNT
4	-Vo	-Vo	Vo2
5	NP	TRIM	COM
6	+Vo	+Vo	Vo1

WKD10-30 高度为 12.7mm

The height of WKD10-20 Series are 12.7mm

WKD10-30 高度为 12.7mm
The height of WKD10-20 Series are 12.7mm