

FRP045/065

S E R I E S

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26.4 ~ 65 Watts
Single/Dual/Triple Output
Open Frame Type for I.T.E.



FEATURES

- ♦ Universal Input
- ♦ Over voltage Protection
- ♦ Overload and short circuit protection
- ♦ 4"x3" Footprint (Optional 5"x3")

SPECIFICATIONS

Input Voltage Range..... 90~264VAC
 Input Current (rms).....1.5A Max.
 Efficiency..... 75% type.@ full load at rate input
 Output Voltage..... 3.3~48VDC
 Operating Temperature.....-10°C ~ +60°C
 (derated linearly from 100% load @ 40°C to 50% load @ 60°C)
 Storage Temperature.....-20°C ~ 85°C
 Operating Humidity.20% to 90% RH
 Protections.....OVP, OLP, Short Circuit Protection
 Withstand Voltage..... I/P-O/P: 4242VDC
 Cooling convection-cooled
 Safety Standard.....UL60950-1, CE, CB
 EMC Standard..... (EN55032, CISPR22, FCC Part 15) Class B,
 EN61000-3-2-3, EN61000-4-2, 3, 4, 5, 7, 8, 11, EN55035

All Specifications are Typical at Nominal Line, full Load and 25°C.
 Unless Otherwise Noted.

Model Number	Output Voltage (VDC)	Output Current (A)	Total Regulator (%)	R-N Max. (mV)	Max. Watts
FRP045-S050	5.00	8.00	± 5	50	40W
FRP045-S075	7.50	5.40	± 5	100	40W
FRP045-S120	12.0	3.75	± 3	120	45W
FRP045-S135	13.5	3.30	± 3	120	45W
FRP045-S150	15.0	3.00	± 3	120	45W
FRP045-S240	24.0	1.90	± 3	120	45W
FRP045-S270	27.0	1.67	± 3	120	45W
FRP045-S480	48.0	0.94	± 3	120	45W
FRP065-S050	5.00	10.0	± 5	50	50W
FRP065-S075	7.50	8.00	± 5	100	60W
FRP065-S120	12.0	5.42	± 3	120	65W
FRP065-S135	13.5	4.80	± 3	120	65W
FRP065-S150	15.0	4.33	± 3	120	65W
FRP065-S240	24.0	2.70	± 3	120	65W
FRP065-S270	27.0	2.40	± 3	120	65W
FRP065-S480	48.0	1.35	± 3	120	65W

Note: 1. Single output tolerance: ± 3% ~ ± 5%.
 2. Dual and triple output tolerance: ± 7%.

Model Number	Output #1				Output #2				Output #3				Max. Output Power
	V1	Iomin	Iomax	Irated	V2	Iomin	Iomax	Irated	V3	Iomin	Iomax	Irated	
FRP045-D13	+5V	0.5A	5A	4A	+12V	0.25A	2.5A	2A					45W
FRP045-T132	+5V	0.5A	5A	4A	+12V	0.25A	2.5A	2A	-5V	0A	0.5A	0.2A	45W
FRP045-T134	+5V	0.5A	5A	4A	+12V	0.25A	2.5A	2A	-12V	0A	0.5A	0.2A	45W
FRP065-D13	+5V	0.7A	7A	5A	+12V	0.32A	3.2A	3A					60W
FRP065-T132	+5V	0.7A	7A	5A	+12V	0.32A	3.2A	3A	-5V	0A	0.7A	0.5A	60W
FRP065-T134	+5V	0.7A	7A	5A	+12V	0.32A	3.2A	3A	-12V	0A	0.7A	0.5A	60W

* Optional 5" x 3" PCB size, please suffix (-5) on model # when ordering.

* For multi output models, each output can load to it's maximum current. But the total power wattage shall not exceed max. output power.

MECHANICAL DRAWING (Unit: mm)

