

- Wide 2:1 & Extra Wide 4:1 Input Ranges
- Built In EMI Filter
- Isolated Output 1600 Volts
- Low Profile Encapsulated 2 x 2" Case
- Remote on/off Control
- Output Trim (Single & Dual Output Units)
- Short Circuit Protection
- 2 Year Warranty



Size 50.8 x 50.8 x 11.4 mm

Specification

Input Range.....	2 :1 wide input, 9~18, 18~36 or 36~75 Volts DC 4 : 1 extra wide input 10~40 or 18~75 Volts DC
Output.....	Single, Dual & Triple, see table below (+/-10% trim)
Line Regulation.....	+/-0.5% Single & Dual Outputs, Triple +/-1% o/p1, +/-5% o/p 2&3
Load Regulation.....	Single & Dual O/P: +/-0.5%, Triple +/-3% / +/-5%
Efficiency.....	76% to 88% dependent on model (see models table)
Short Circuit Protection.....	Hiccup mode, auto-recovery
I/P~O/P Isolation Voltage.....	1600 VDC, all models
Operating Temperature.....	-25~+70 °C, see derating curve
Cooling.....	Free air convection
Storage Temperature.....	-55 ~ +105 °C
Case Material.....	Nickel coated Copper, non conductive base, 6 sided shield
MTBF.....	>550 khrs (MIL-HDBK-217F) @ 25 °C

Models and Ratings (Single Outputs, please see below for Dual & Triple Outputs)

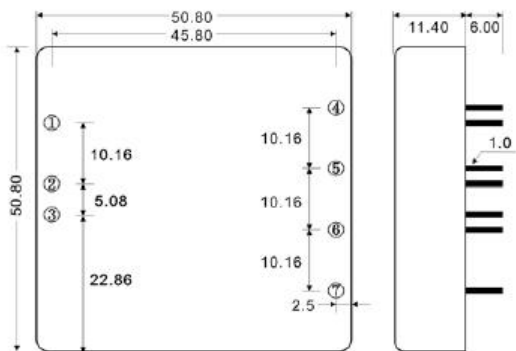
Model	Input VDC	Output Volts	Output Current	Efficiency
SU20-12-3.3S	9~18	3.3 V	4.0 A	76%
SU20-12-5S	9~18	5 V	4.0 A	78%
SU20-12-12S	9~18	12 V	1.67 A	81%
SU20-12-15S	9~18	15 V	1.33 A	82%
SU20-12-24S	9~18	24 V	0.83 A	83%
SU20-24-3.3S	18~36	3.3 V	4.0 A	78%
SU20-24-5S	18~36	5 V	4.0 A	81%
SU20-24-12S	18~36	12 V	1.67 A	86%
SU20-24-15S	18~36	15 V	1.33 A	85%
SU20-24-24S	18~36	24 V	0.83 A	88%
SU20-48-3.3S	36~75	3.3 V	4.0 A	76%
SU20-48-5S	36~75	5 V	4.0 A	82%
SU20-48-12S	36~75	12 V	1.67 A	84%
SU20-48-15S	36~75	15 V	1.33 A	85%
SU20-48-24S	36~75	24 V	0.83 A	87%
SU20-24F-3.3S	10~40	3.3 V	4.0 A	82%
SU20-24F-5S	10~40	5 V	4.0 A	84%
SU20-24F-12S	10~40	12 V	1.67 A	82%
SU20-24F-15S	10~40	15 V	1.33 A	82%
SU20-24F-24S	10~40	24 V	0.83 A	82%
SU20-48F-3.3S	18~75	3.3 V	4.0 A	83%
SU20-48F-5S	18~75	5 V	4.0 A	85%
SU20-48F-12S	18~75	12 V	1.67 A	82%
SU20-48F-15S	18~75	15 V	1.33 A	82%
SU20-48F-24S	18~75	24 V	0.83 A	82%

Please See Next Page For Dual & Triple Output Models, Mechanical Drawing & Pin Out

Dual & Triple Output Models.

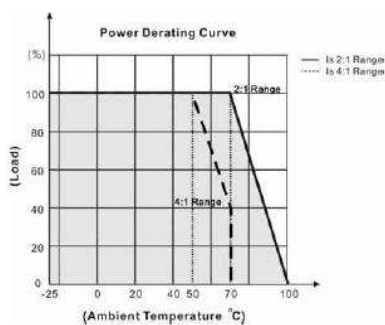
Model	Input VDC	Output 1	Output 2	Output 3	Efficiency
SU20-12-5D	9~18	+5 V / 2.0 A	-5 V / 2.0 A		77%
SU20-12-12D	9~18	+12 V / 0.83 A	-12 V / 0.83 A		81%
SU20-12-15D	9~18	+15 V / 0.66 A	-15 V / 0.66 A		82%
SU20-12-5S12D	9~18	+5 V / 2.5 A	+12 V / 0.3 A	-12 V / 0.3 A	79%
SU20-12-5S15D	9~18	+5 V / 2.5 A	+15 V / 0.25 A	-15 V / 0.25 A	77%
SU20-24-5D	18~36	+5 V / 2.0 A	-5 V / 2.0 A		82%
SU20-24-12D	18~36	+12 V / 0.83 A	-12 V / 0.83 A		84%
SU20-24-15D	18~36	+15 V / 0.66 A	-15 V / 0.66 A		85%
SU20-24-5S12D	18~36	+5 V / 2.5 A	+12 V / 0.3 A	-12 V / 0.3 A	83%
SU20-24-5S15D	18~36	+5 V / 2.5 A	+15 V / 0.25 A	-15 V / 0.25 A	81%
SU20-48-5D	36~75	+5 V / 2.0 A	-5 V / 2.0 A		83%
SU20-48-12D	36~75	+12 V / 0.83 A	-12 V / 0.83 A		85%
SU20-48-15D	36~75	+15 V / 0.66 A	-15 V / 0.66 A		84%
SU20-48-5S12D	36~75	+5 V / 2.5 A	+12 V / 0.3 A	-12 V / 0.3 A	83%
SU20-48-5S15D	36~75	+5 V / 2.5 A	+15 V / 0.25 A	-15 V / 0.25 A	84%
SU20-24F-5D	10~40	+5 V / 2.0 A	-5 V / 2.0 A		81%
SU20-24F-12D	10~40	+12 V / 0.83 A	-12 V / 0.83 A		82%
SU20-24F-15D	10~40	+15 V / 0.66 A	-15 V / 0.66 A		82%
SU20-48F-5D	18~75	+5 V / 2.0 A	-5 V / 2.0 A		81%
SU20-48F-12D	18~75	+12 V / 0.83 A	-12 V / 0.83 A		83%
SU20-48F-15D	18~75	+15 V / 0.66 A	-15 V / 0.66 A		82%

Mechanical Drawing and Pin-Out (Top View)

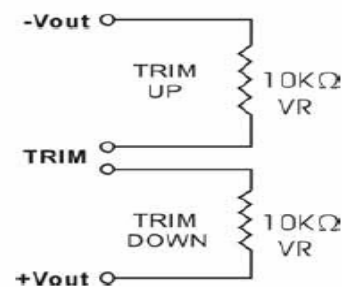


Pin	Single Output	Dual Output	Triple Output
1	Remote On/Off	Remote On/Off	Remote On/Off
2	- V in	- V in	- V in
3	+V in	+ V in	+V in
4	Trim	Trim	- V Out
5	-DC Out	- V Out	Common
6	+DC Out	Common	+ 5 V Out
7	N/C	+ V Out	+ V Out

Output Power Derating



Output Trim



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.