

Datasheet

YSL20F-15W-CC Series

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YSL20F-20W-CC SERIES

| MODEL DETAIL SPEC. | | YSL20F-1201660 | YSL20F-2400830 | YSL20F-3600550 | YSL20F-4800416 |
|--------------------|---|---|----------------|----------------|----------------|
| INPUT | Input Voltage: | 100-240VAC/ 200-240VAC | | | |
| | Input Frequency: | 50-60Hz | | | |
| | Inrush Current: | 65 Amps max. at 230VAC/50Hz,full load | | | |
| | AC Current: | 0.11A/230VAC | | | |
| | Leakage Current: | < 0.25mA/240VAC | | | |
| | Efficiency: | 88% | 88% | 88% | 88% |
| OUTPUT | DC Voltage: | 12V | 24V | 36V | 48V |
| | Rated Current: | 1.66A | 830mA | 550mA | 416mA |
| | Rated Power: | 20W | 20W | 20W | 20W |
| | Voltage Tolerance: | ±5.0% | ±5.0% | ±5.0% | ±5.0% |
| | Ripple and Noise: | 120mVp-p | 240mVp-p | 360mVp-p | 480mVp-p |
| | Line Regulation: | ±3% | | | |
| | Load Regulation: | ±5% | | | |
| | Setup, Rise, Hold Up time: | 1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load | | | |
| ENVIRONMENTAL | Operating Temperature: | -20 ~ +50 (Refer to "Derating Curve") | | | |
| | Storage Temp: | -40°C ~ 85°C | | | |
| | Storage Humidity: | 20 ~ 95% RH | | | |
| | Working Humidity: | 20 ~ 95% RH non-condensing | | | |
| PROTECTION | Over Load: | Above 105%-130% rated output power | | | |
| | | Protection type: Hiccup mode, recovers automatically after fault condition is removed | | | |
| | Over Voltage: | 12V:13.8 ~ 16.2V 24V:27.6 ~ 32.4V 36V:41.4~48.6V 48V : 55.2~64.8V | | | |
| | | Protection type: Shut down o/p voltage, re-power on to recover | | | |
| Over Temperature: | Shut down o/p voltage, re-power on to recover | | | | |
| SAFETY & EMC | Safety Regulations: | EN61347-2-13:2014+A1:2017,EN61347-1:2015;EN62493:2015 | | | |
| | Withstand Voltage: | I/P-O/P:3750KVAC | | | |
| | Harmonic | EN61000-3-2 Class C EN61000-3-3 | | | |
| | EMI: | Compliance to EN55015 | | | |
| | EMS : | compliance to 61547:2009 | | | |
| OTHER | MTBF: | 200,000 Hours Minimum at Full Load at 25°C Ambient | | | |
| | Size: | 103*35.5*16.5mm | | | |
| | Weight: | 70g / pcs | | | |
| | Packaging: | 100PCS/CTN,37.5*28.5*24cm | | | |

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Deduction curve and temperature



Environment temperature(°C)

Minus output and input voltage curves



Input voltage(VAC)

Functional Diagram



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