

| SCD40xxxx Series Specification | | Model | | |
|--------------------------------|--|-----------|--|---------|
| Rev 1 4/15/99 | | Model | | |
| | | SCD401212 | SCD401515 | |
| Specification | | V1/V2 | V1/V2 | |
| 1 | Nominal Output Voltage | V | +12/-12 | +15/-15 |
| 2 | Minimum Output Current (8) | A | 0.1/0.1 | 0.1/0.1 |
| 3 | Maximum Output Current convection cooled | A | 1.8/1.5 | 1.5/1.2 |
| 4 | Maximum Output Current forced air cooled (300LFM) | A | 2.5/2.0 | 2.0/1.6 |
| 5 | Maximum Peak Current (1) | A | N/A | N/A |
| 6 | Maximum Output Power convection cooled | W | 40 | 40 |
| 7 | Maximum Output Power forced air cooled (30 CFM 300LFM) | W | 55 | 55 |
| 8 | Input Voltage Range | V | 85-265VAC, 47-63Hz | |
| 9 | Efficiency (2) | % | 70% Typical | |
| 10 | Inrush current -Typical (3) | A | 36 | |
| 11 | Adjustment Range | V | -5 ~ +10%, output 1 only | |
| 12 | Maximum Ripple & Noise (4) | mV | 1% peak to peak | |
| 13 | Regulation Load / Line | % | +2/±5 | +2/±5 |
| 14 | Cross Regulation | % | +/-2% on output 1, +/-5% on output 2 | |
| 15 | Transient response | | To be determined | |
| 16 | Overcurrent Protection (5) | | Short circuit protection | |
| 17 | Overvoltage Protection (6) | | 115-135% on channel 1 only | |
| 18 | Hold up time - typical (7) | ms | 20 | |
| 19 | Operating Temperature | C | 0 ~ 50C | |
| 20 | Operating Humidity | | 5 ~ 95% non condensing | |
| 21 | Storage Temperature | C | -20 ~ 85C | |
| 22 | EMI | | FCC Class B Conducted, EN55022 class B | |
| 23 | Output - Ground isolation | | 500VDC | |
| 24 | Vibration | | 10 - 55Hz Amplitude (sweep 1 min) Less than 2G X, Y, Z 1 hour ea | |
| 25 | Shock | | <20G | |
| 26 | Safety | | UL1950, CSA 22.2 #950, EN60950, CE mark | |
| 27 | Other | | IEC801-2~6 level 3 | |
| 28 | Size | | 127 x 76.2 x 25.4 (Max component height) component leads cropped 3mm | |
| 29 | Terminals | | Molex 09-50-80xx input & output | |
| Notes: | | | | |
| 1 | Peak current lasting <30 seconds with 10% max duty cycle. Average power not to exceed rated maximum. Output voltage may exceed regulation limits | | | |
| 2 | At 100VAC or 200VAC input and maximum output power | | | |
| 3 | At 230VAC input cold start at 25C | | | |
| 4 | Measured across 10uF electrolytic in parallel with 0.1uF ceramic on load cables 150mm from terminals of power supply | | | |
| 5 | Avoid prolonged operation in overload | | | |
| 6 | Self Resetting | | | |
| 7 | 40W load at 115VAC nominal line | | | |