

RANGES:

| Model No. | Input Voltage | Output Voltage | Output Current | Output Power | OVP Set Point |
|-----------|---------------|----------------|----------------|--------------|---------------|
| Units | (VDC) | (VDC) | (A) | (Watts) | (VDC) |
| SDEM1A | 18 - 36 | 1.8 | 1 | 1.8 | 1.98 to 2.7 |
| SDEM1B | 18 - 36 | 1.8 | 1.5 | 2.7 | 1.98 to 2.7 |
| SDEM1C | 18 - 36 | 1.8 | 2 | 3.6 | 1.98 to 2.7 |
| SDEM1D | 18 - 36 | 3.3 | 1 | 3.3 | 3.63 to 4.95 |
| SDEM1E | 18 - 36 | 3.3 | 1.5 | 4.95 | 3.63 to 4.95 |
| SDEM1F | 18 - 36 | 3.3 | 2 | 6.6 | 3.63 to 4.95 |
| SDEM1G | 18 - 36 | 5 | 1 | 5 | 5.5 to 7.5 |
| SDEM1H | 18 - 36 | 5 | 1.5 | 7.5 | 5.5 to 7.5 |
| SDEM1I | 18 - 36 | 5 | 2 | 10 | 5.5 to 7.5 |
| SDEM1J | 18 - 36 | 9 | 1 | 9 | 9.9 to 13.5 |
| SDEM1K | 18 - 36 | 9 | 1.5 | 13.5 | 9.9 to 13.5 |
| SDEM1L | 18 - 36 | 9 | 2 | 18 | 9.9 to 13.5 |
| SDEM1M | 18 - 36 | 12 | 1 | 12 | 13.2 to 18 |
| SDEM1N | 18 - 36 | 12 | 1.5 | 18 | 13.2 to 18 |
| SDEM1O | 18 - 36 | 15 | 0.75 | 11.25 | 16.5 to 22.5 |
| SDEM1P | 18 - 36 | 15 | 1.25 | 18.75 | 16.5 to 22.5 |
| SDEM1Q | 18 - 36 | 18 | 1 | 18 | 19.8 to 27 |
| SDEM1R | 18 - 36 | 24 | 0.5 | 12 | 26.4 to 36 |
| SDEM1S | 18 - 36 | 24 | 0.75 | 18 | 26.4 to 36 |

NOTES:

1. Please add an External filter at Converter input terminals when measuring input reflected ripple. L: Simulated source impedance of 12 μ H. 12 μ H inductor in series with +Vin. C:100 μ F/63V
2. The SDEM1 series requires a minimum 10% loading on the output to maintain specified regulation.
3. Operation under no-load condition will not damage these devices, however they may not meet all listed specifications.
4. BELLCORE TR-NWT-000332. Case I: 50% Stress, Temperature at 40C. (Ground fixed and controlled environment).
5. Over Voltage protection set point as per user requirement b/w 110% TO 150% of O/P Vg.
6. Heat sink optional, consult factory.
7. Typical value at nominal input voltage and full load.
8. PC pins – 1.016 mm diameter x 5.08 mm long (min.).