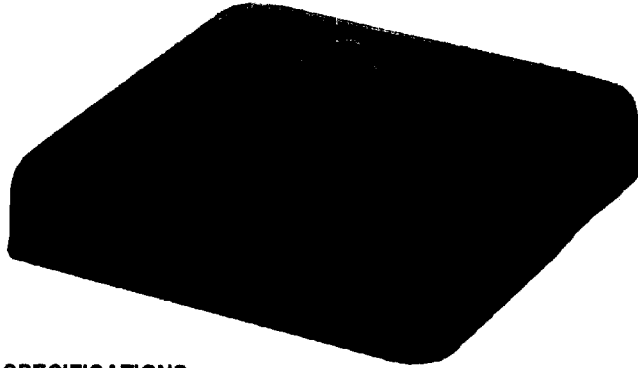


25 TO 30 WATT CEM 2800 SERIES



- 2:1 Input Range
- 25 Watt Isolated Output
- High-Density
- Remote On/Off Control
- Six-Sided Shield

SPECIFICATIONS

All Specifications Are Typical At Nominal Line, Full Load and 25°C Unless Otherwise Noted.

Input Specifications

input Voltage Range, 12V	9-18V
24V	18-36V
48V	36-72V
input Filter	Pi Network

Output Specifications

Voltage Accuracy, Single Output	±2% max.
Dual, + Output	±2% max.
- Output	±3% max.
Triple, 5V	±2% max.
12V/15V	±5% max.

Voltage Balance, Dual Output at Full Load .. ±1.0% max.
Transient Response,

Single, 25% Step Load Change	< 500µ sec.
Dual, FL-1/2L, 1% Error Band	< 500µ sec.

External Trim Adj. Range	±10%
Ripple and Noise, 20MHz BW	10mV rms max. 75mV P-P max.
Short Circuit Protection	Continuous
Line Regulation ¹ , Single/Dual Output	±0.5% max.
Triple Output	±1% max.
Load Regulation ² , Single/Dual Output	±1% max.
Triple Output	±5% max.

General Specifications

Efficiency	See Table
Isolation Voltage	500 VDC min.
Isolation Resistance	10 ⁹ ohms min.
Case Grounding	Capacity Coupled to Input
Case Temperature	105°C max.
Storage Temperature Range	-55°C to +105°C
EMI/RFI	Six-Sided Continuous Shield
Dimensions	2.0 x 2.0 x 0.4 inches (50.8 x 50.8 x 10.4 mm)

Case Material Black-Coated Copper with Non-Conductive Base

Notes:

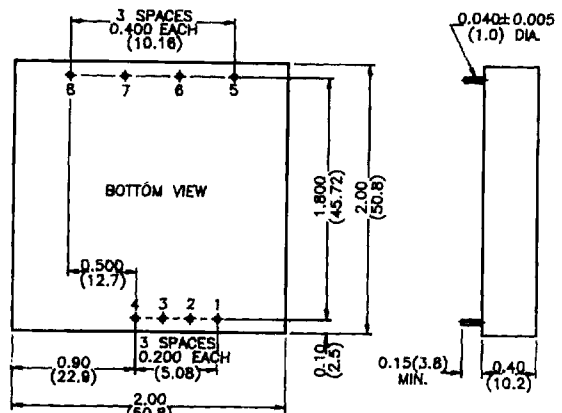
1. Measured from High Line to Low Line.
2. Measured from Full Load to 1/4 Load (Single).

Remote On/Off Control

Logic Compatibility CMOS or Open Collector TTL
Ec-ON, > +5.5 VDC or Open Circuit
Ec-OFF, <1.8 VDC
Shutdown Idle Current 10 mA
Input Resistance (E_n 0VDC to 9 VDC) 100kohm
Control Common Referenced to Input Minus

MODEL NUMBER	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF	CASE
				NO LOAD	FULL LOAD		
CEM2801	12Vdc	5Vdc	5000mA	35mA	2671mA	78	C
CEM2802	12Vdc	12Vdc	2500mA	40mA	3050mA	82	C
CEM2803	12Vdc	15Vdc	2000mA	40mA	3050mA	82	C
CEM2804	12Vdc	±5Vdc	±2500mA	35mA	2671mA	78	C
CEM2805	12Vdc	±12Vdc	±1250mA	40mA	3050mA	82	C
CEM2806	12Vdc	±15Vdc	±1000mA	40mA	3050mA	82	C
CEM2807	12Vdc	+5/±12Vdc	3500±310mA	60mA	2637mA	79	C
CEM2808	12Vdc	+5/±15Vdc	3500±250mA	60mA	2637mA	79	C
CEM2809	12Vdc	3.3Vdc	5000mA	35mA	1860mA	74	C
CEM2811	24Vdc	5Vdc	5000mA	25mA	1336mA	79	C
CEM2812	24Vdc	12Vdc	2500mA	30mA	1525mA	82	C
CEM2813	24Vdc	15Vdc	2000mA	30mA	1525mA	82	C
CEM2814	24Vdc	±5Vdc	±2500mA	25mA	1336mA	79	C
CEM2815	24Vdc	±12Vdc	±1250mA	30mA	1470mA	85	C
CEM2816	24Vdc	±15Vdc	±1000mA	30mA	1470mA	85	C
CEM2817	24Vdc	+5/±12Vdc	3500±310mA	50mA	1319mA	80	C
CEM2818	24Vdc	+5/±15Vdc	3500±250mA	50mA	1319mA	80	C
CEM2819	24Vdc	3.3Vdc	5000mA	25mA	916mA	75	C
CEM2821	48Vdc	5Vdc	5000mA	20mA	660mA	79	C
CEM2822	48Vdc	12Vdc	2500mA	20mA	763mA	82	C
CEM2823	48Vdc	15Vdc	2000mA	20mA	763mA	82	C
CEM2824	48Vdc	±5Vdc	±2500mA	20mA	660mA	79	C
CEM2825	48Vdc	±12Vdc	±1250mA	20mA	735mA	85	C
CEM2826	48Vdc	±15Vdc	±1000mA	20mA	735mA	85	C
CEM2827	48Vdc	+5/±12Vdc	3500±310mA	40mA	651mA	80	C
CEM2828	48Vdc	+5/±15Vdc	3500±250mA	40mA	651mA	80	C
CEM2829	48Vdc	3.3Vdc	5000mA	20mA	460mA	75	C

Case C



Pin Connections

Pin	Single	Dual	Triple
1	REMOTE ON/OFF CONTROL		
2	NO PIN	NO PIN	NO PIN
3	-Vin	-Vin	-Vin
4	+Vin	+Vin	+Vin
5	TRIM	TRIM	-AUX OUT
6	-Vout	-Vout	COMMON
7	+Vout	COMMON	+5Vout
8	NO PIN	+Vout	+AUX OUT

All dimensions in inches (mm)
X.XX dimensions: ±0.04 inches
X.XXX dimensions: ±0.010 inches

EXTERNAL OUTPUT TRIMMING

Output may optionally be externally trimmed (±10%), with a fixed resistor or an external trimpot as shown.

