



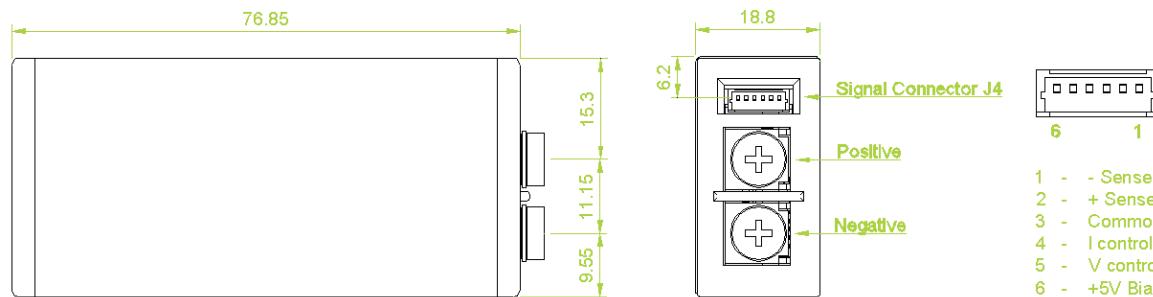
VCCM600 SERIES

OPB DATASHEET

Output Module B: 4.5V-15V, 15A, 150W

OUTPUT MODULE B SPECIFICATIONS

Parameter	Details	Min	Typical	Max	Units
Output Voltage Range	Manual adjustment	4.5	12	15	Volts
Output Current Rating				15	Amps
Output Power Rating				150	Watts
Peak Power Rating	Maximum 5 seconds			225	Watts
Initial voltage setting accuracy	Factory set units	-0.5		0.5	%
Load Regulation	Measured at sense terminals	-100		100	mV
Line Regulation	Measured at sense terminals	-0.1		0.1	%V _{NOM}
Cross Regulation	Measured at sense terminals	-0.2		0.2	%V _{NOM}
Minimum load		0 ⁽¹⁾			Watts
Temperature coefficient		-0.02		+0.02	%/°C
Ripple and Noise	20MHz BW, pk-pk			1	%V _{NOM}
Transient response	25% to 75% load transient at 0.5A/uS Recovery to within 10% of V _{SET}			1.5	Volts
Turn on rise time	Monotonic 10% to 90%	1.5		3.5	uS
Turn on overshoot				0.1	%V _{SET}
Turn on delay	AC to PG EN to PG		2000 15	3000 20	mS mS
Current share accuracy	Error from ideal sharing current. Valid for loads > 20% of rating.	-5		+5	%
Open Sense offset	Voltage offset between sense lines and output terminals when sense lines unused			2	%V _{NOM}
Holdup voltage				12.5	Volts
Isolation to ground	Each output terminal			500	Volts
Over current protection		105	115	125	%Rated
Reverse current protection		-6		0	%Rated
Short circuit protection	Period/Duty cycle/Voltage Threshold (Measured at sense terminals)			125/3/2	mS/%V
Over Voltage Protection				18	Volts
Over Temperature Protection	Various locations	115		125	°C
Sense Cable Protection	Positive	-1		2	Volts
	Negative			1	Volts
Power Good Threshold	Low threshold only			90	%V _{SET}
Current Output Signal	V _{CURRENT} = 4 * I _{OUT} /I _{RATED}	0		125	%Rated
Current Limit Control	I _{LIMIT} = I _{RATED} * V _{CONTROL} /4	0 ⁽¹⁾		100	%Rated
Remote Voltage Control	V _{OUT} = V _{SET} * (5-V _{CONTROL})/3.8	0 ⁽¹⁾		131.5	%V _{SET}
Bias Supply	10mA Max	4.5		5.2	Volts
Reliability	30°C base, 100% load, SR332 Issue 2 Method I, Case 3, Ground, Fixed, Controlled			0.5	FPMH
Warranty				5	Years
Wire Size	77 (L) x 18.8 (W) x 36 (H)	16	14	10	AWG
Size					mm
Weight	100				Grams



Note 1. Minimum Output levels achievable when using V-control and I-control may be >0 due to the minimum on-time of the PWM controllers

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