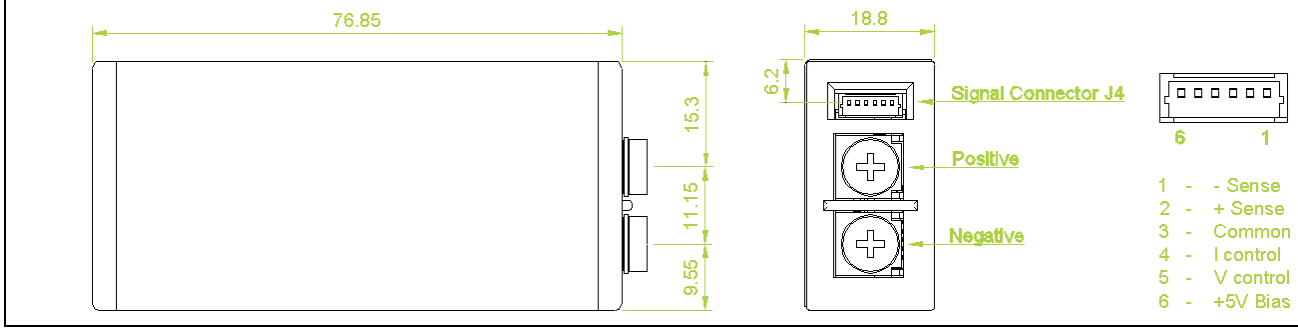
VCCM600 SERIES

OUTPUT MODULE D: 18V-58V,3.75A, 150W

OPD DATASHEET

OUTPUT MODULE D SPECIFICATIONS					
Parameter	Details	Min	Typical	Max	Units
Output Voltage Range	Manual adjustment	18	48	58	Volts
Output Current Rating				3.75	Amps
Output Power Rating				150	Watts
Peak Power Rating	Maximum 5 seconds			217.5	Watts
Initial voltage setting accuracy	Factory set units	-0.5		0.5	%
Load Regulation	Measured at sense terminals	-300		300	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			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 0.25A/uS Recovery to within 10% of V_{SET}			3 100	Volts uS
Turn on rise time	Monotonic 10% to 90%	1.5		3.5	mS
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				50	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)		125/3/3.5		mS/%/V
Over Voltage Protection			66		Volts
Over Temperature Protection	Various locations	115		125	˚C
Sense Cable Protection	Positive Negative	-1		2 1	Volts 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		100	%Rated
Remote Voltage Control	$V_{OUT} = V_{SET} * (5-V_{CONTROL})/3.8$	0		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		20	18	10	AWG
Size	77 (L) x 18.8 (W) x 36 (H)				mm
Weight	100				Grams



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Vox Power Limited | Unit 2, Red Cow Interchange Estate, Ballymount, Dublin 22, D22 Y8H2, Ireland | T +353 1 4591161 | www.vox-power.com

中国区总代理：上海佳舍珀电子科技有限公司 电话：021-61999334 | 手机：13764303579 | 电子邮件：roman.xiao@fitpower.cn | www.fitpower.cn