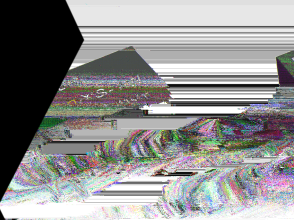




Power module

EA- -1 & FB- -1 GYfjYg

200V ISOLATED & UNREGULATED DUAL SINGLE OUTPUT DC-DC CONVERTER



Par N mber	Inp		O p			Efficienc (%, T p)
	Vol age (VDC)		Vol age (VDC)	C rren (mA)		
	Nominal	Range		Ma	Min	
EA0505XS-1W	5	4.5-5.5	±5	±100	±10	70
EA0509XS-1W	5	4.5-5.5	±9	±56	±6	71
EA0512XS-1W	5	4.5-5.5	±12	±42	±5	72
EA0515XS-1W	5	4.5-5.5	±15	±33	±4	74
FB0505XS-1W	5	4.5-5.5	5	200	20	70
FB0509XS-1W	5	4.5-5.5	9	111	12	71
FB0512XS-1W	5	4.5-5.5	12	83	9	72
FB0515XS-1W	5	4.5-5.5	15	67	7	74
EA1205XS-1W	12	10.8-13.2	±5	±100	±10	70
EA1209XS-1W	12	10.8-13.2	±9	±56	±6	71
EA1212XS-1W	12	10.8-13.2	±12	±42	±5	72
EA1215XS-1W	12	10.8-13.2	±15	±33	±4	74
EA1505XS-1W	15	13.5-16.5	±5	±100	±10	70
EA1509XS-1W	15	13.5-16.5	±9	±56	±6	71
EA1512XS-1W	15	13.5-16.5	±12	±42	±5	72
EA1515XS-1W	15	13.5-16.5	±15	±33	±4	74
EA2405XS-1W	24	21.6-28.8	±5	±100	±10	70
EA2409XS-1W	24	21.6-28.8	±9	±56	±6	71
EA2412XS-1W	24	21.6-28.8	±12	±42	±5	72
EA2415XS-1W	24	21.6-28.8	±15	±33	±4	74

A E C F CA					
I em	Te condi ion	Min	T p	Ma	Uni
I ola ion ol age	Te ed for 1 min e and 1mA ma	5200			VDC
I ola ion re i ance	Te a 1000VDC	1000			M
I ola ion capaci ance			10		pF

A E C F CA					
I em	Te condi ion	Min	T p	Ma	Uni
I ola ion ol age	Te ed for 1 min e and 1mA ma	5200			VDC
I ola ion re i ance	Te a 1000VDC	1000			M
I ola ion capaci ance			10		pF
Con in o					
Cooling					Free air con ec ion
Ca e maerial					Pla ic(UL94-V0)
MTBF		3500			K ho r
Weigh			4.2		g

* ppl ol age m be di con in ed a he end of hor circ i d ra ion.



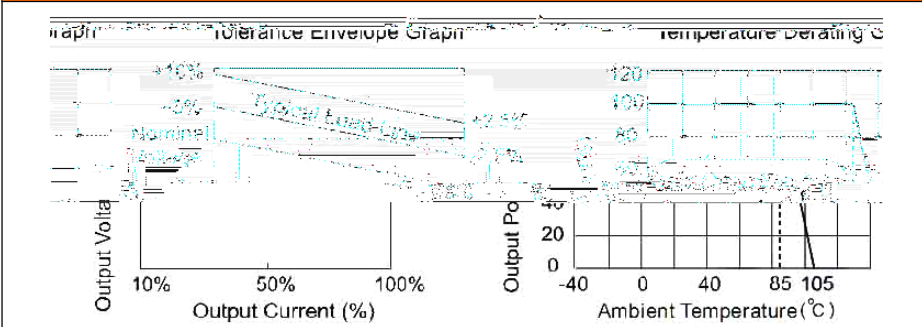
CE REACH

Output Voltage	±1%	±0.5%	±0.2%
Output Current	±1%	±0.5%	±0.2%
Line Regulation	±0.01%	±0.005%	±0.002%
Load Regulation	±0.01%	±0.005%	±0.002%
Temperature Coefficient	±0.005%	±0.002%	±0.001%
Bandwidth	150 MHz	200 MHz	300 MHz
Operating Frequency	5V (nominal)	5V (nominal)	5V (nominal)
Operating Frequency	42 kHz	42 kHz	42 kHz

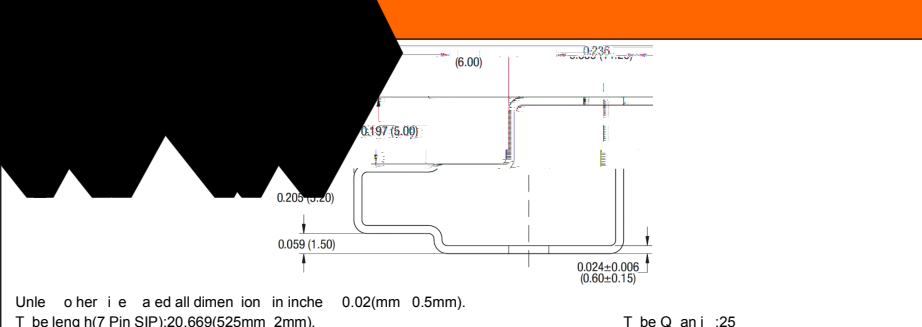
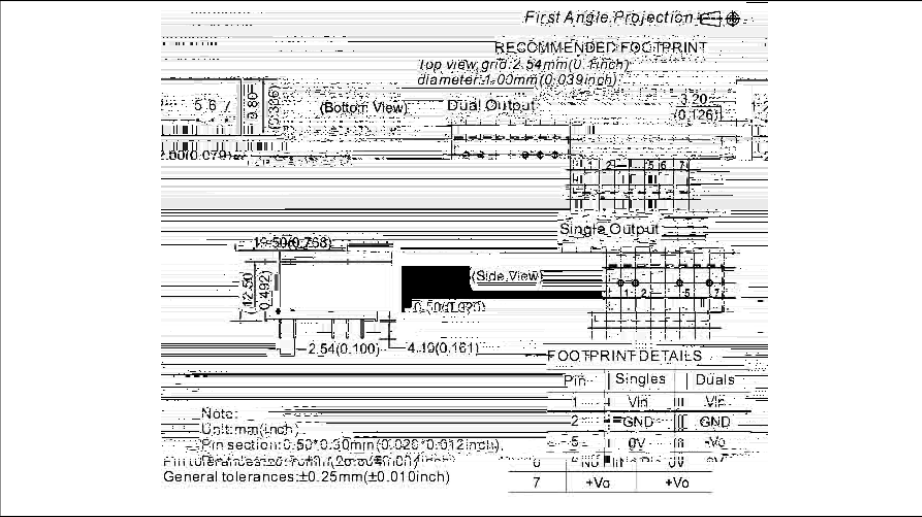
*Temperature ripple and noise by "parallel cable" method. See detailed operation in "Application of Power Converter" section, application note.

- Note:
- All specifications measured at TA=25°C, humidity <75%, nominal input voltage and rated output load unless otherwise specified.
 - Differential mode balanced load: ±5%.

CA C A A C E C



E D E & C E C



Overload Protection

Under normal operating condition, the output circuit of the converter has no protection against overload. The simple method is to connect a self-resetting fuse in series at the input end or add a circuit breaker to the circuit.

No parallel connection or plug and play.

The converter is not recommended for parallel connection in the application field. If parallel connection is required, please refer to the application note for details.

Current Voltage Regulation and Overload Protection

The converter is designed with current voltage regulation and overload protection. The current voltage regulation is achieved by the feedback loop. The overload protection is achieved by the current limit circuit.

Recommended Component Values

The recommended component values are provided in the application note. The values are based on the typical operating conditions and may vary depending on the specific application requirements.

Pin Configuration



Overload Protection

Under normal operating condition, the output circuit of the converter has no protection against overload. The simple method is to connect a self-resetting fuse in series at the input end or add a circuit breaker to the circuit.

No parallel connection or plug and play.

The converter is not recommended for parallel connection in the application field. If parallel connection is required, please refer to the application note for details.