

**Models Single output**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
QB0303XT	3-3.6	3.3	75	1000	60
QB0305XT	3-3.6	5	50	1000	60
QB0312XT	3-3.6	12	20	1000	63
QB0315XT	3-3.6	15	16	1000	64
QB0503XT	4.5-5.5	3.3	75	1000	61
QB0505XT	4.5-5.5	5	50	1000	64
QB0509XT	4.5-5.5	9	27	1000	65
QB0512XT	4.5-5.5	12	20	1000	66
QB0515XT	4.5-5.5	15	16	1000	67
QB0524XT	4.5-5.5	24	10	1000	64
QB1203XT	10.8-13.2	3.3	75	1000	60
QB1205XT	10.8-13.2	5	50	1000	65
QB1212XT					

Input Specifications				
Parameters	Nominal	Typical	Maximum	Units
Voltage range	3	3-3.6		VDC
	5	4.5-5.5		
	12	10.8-13.2		
	14	21.6-26.4		
Filter	Capacitor			

Isolation Specifications				
Parameters	Conditions	Typical	Rated	Units
Tested I/O voltage	60 sec		1000	VDC
Resistance		> 1000		MOhm
Capacitance		6		pF

Output Specifications				
Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy	See the tolerance graph	±5		%
Voltage balance	Dual Output	±2		%
Line voltage regulation (Single)	For 1% change of Vin	±1.2		%
Line voltage regulation (Dual)	For 1% change of Vin	±1.2		%
Load voltage regulation (Single)	Load 10 – 100%	10		%
Load voltage regulation (Dual)	Load 10 – 100%	10		%
Temperature coefficient		±0.03		%/°C
Ripple & Noise	At 20MHz Bandwidth	75		mV p-p

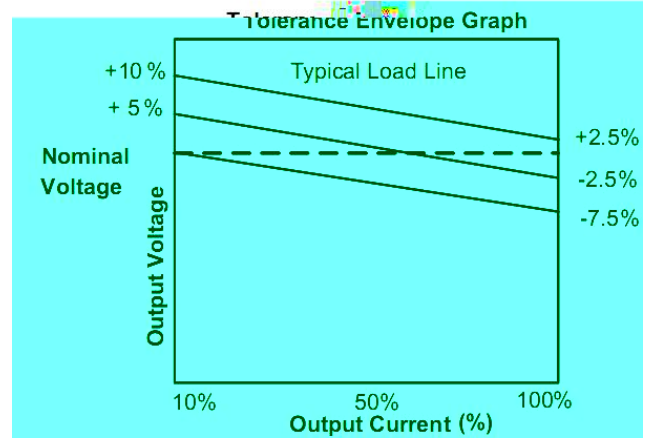
General Specifications				
Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load single	100		KHz
	100% load dual	150		KHz
Short circuit protection		Momentary (1sec)		
Operating temperature	Without derating	-40 to +85		°C
Storage temperature		-55 to +125		°C
Cooling	Free air convection			
Humidity			95	%
Case material	Plastic UL94-VO			
Weight		1.5		g
Dimensions (L x W x H)	Single 1000VDC	0.50 x 0.44 x 0.26 inch	12.70 x 11.20 x 6.70 mm	
	Dual 1000VDC	0.60 x 0.44 x 0.26 inch	15.24 x 11.20 x 6.70 mm	
MTBF	>3 500 000hrs (MIL-HDBK -217F, Ground Benign, t=+25 C)			
Max Case Temperature			95	°C

NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity<75%, nominal input voltage and at rated output load unless otherwise specified

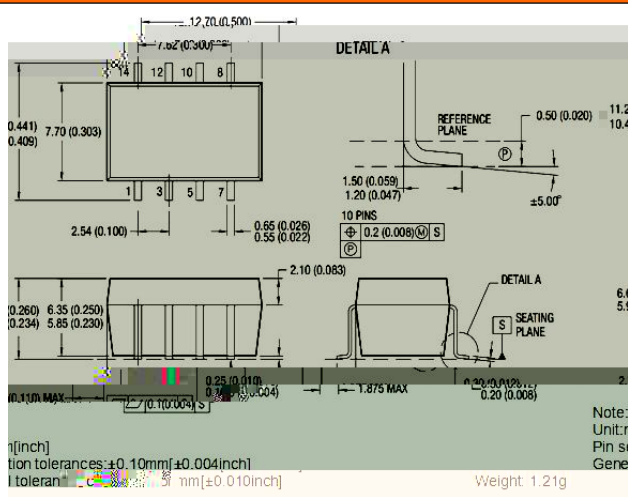
**Pin Out Specifications**

Pin	Single	Pin	Dual
1	-V Input	1	-V Input
3	+V Input	3	+V Input
5	N.C.	5	N.C.
7	- V Output	7	Common
8	+ V Output	9	-V Output
10	N.C.	10	N.C.
12	N.C.	12	+V Output
14	N.C.	14	N.C.
		16	N.C.
		18	N.C.

**Typical characteristics**



**Dimensions Single 1000VDC**



The package form the same to our series products A-XT-1W.

**Dimensions Dual 1000VDC**

