

OUTPUT SPECIFICATIONS

	Te condition	Min.	T p.	Ma .	Uni
	See below product program	0.3		3	W
Load regulation	Reference recommended circuit		1	3	%
Line regulation	Reference recommended circuit		3	5	%
Load regulation	From 10% to 100% load		0.45	1*	%
Line regulation	Input voltage from low to high		0.2	0.5	%
Temperature drift (Vo)	Reference recommended circuit			0.03	%/
Ripple and noise**	20MHz Bandwidth		50	100	mVp-p
Switching frequency	100% load, nominal input voltage		300		KHz

*Dial open model unbalanced load: 5%.

**Ripple and noise by parallel cable method. See detailed operation in connection table of Power Connection, application note.

COMMON SPECIFICATIONS

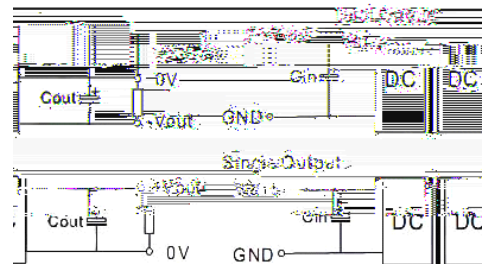
Item	Te condition	Min.	T p.	Ma .	Uni
Storage humidity				95	%
Operating temperature		-40		85	
Storage temperature		-55		125	
Temperature fall load			15		
Lead length	1.5mm from case to 10 second			300	
No-load power consumption			0.2		W
Cooling	Free air convection				
Shock and vibration	Conform to Aromatic Recoil				
Case material	D: Plastic (UL94-V0); MD: Steel, Nickel Coated				
MTBF		1000			K hours
Weight			15		g

APPLICATION NOTE

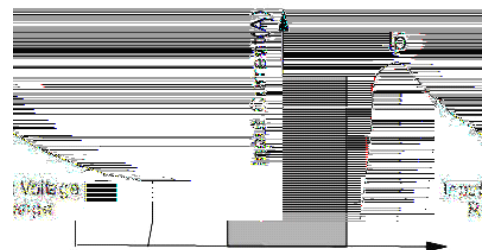
Requirements on Output Load

In order to ensure the product operates efficiently and reliably, in addition to a maximum load (nameplate load), a minimum load is specified for this kind of DC/DC converter. Make sure the specified range of input voltage is not exceeded, the minimum output load **not less** than 10% load.

CIRCUIT



1) (Figure 1)



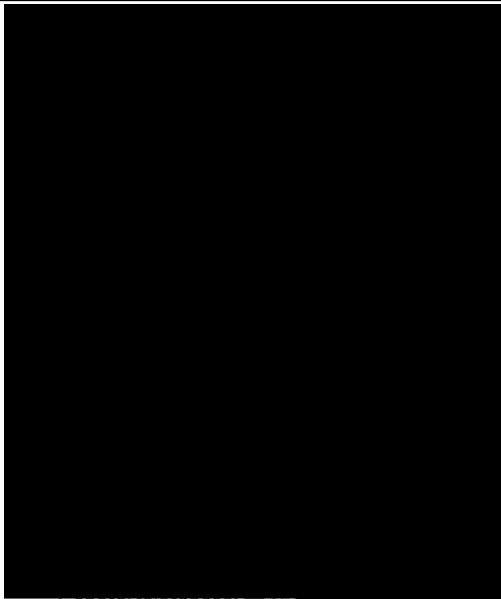
(Figure 2)

Output External Capacitor Table (Table 1)

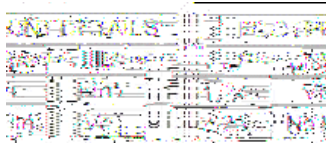
Single Vo (VDC)	Co (μF)	Dual Vo (VDC)	Co (μF)
5	1000	±5	680
9	680	±9	470
12	470	±12	330
15	330	±15	220
24	220	±24	100

OUTLINE DIMENSIONS & FOOTPRINT DETAILS

MECHANICAL DIMENSIONS



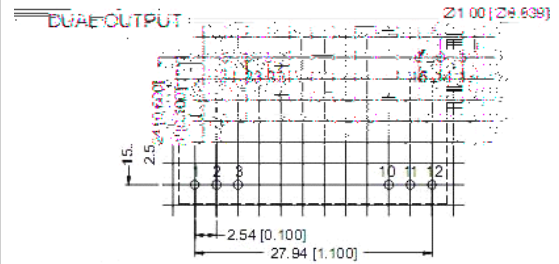
General tolerances: ±0.25mm[±0.010inch]



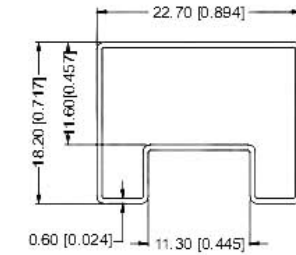
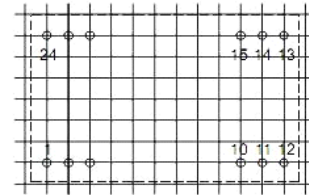
3,22	No Pin	0V
10,15	0V	0V
11,14	+Vo	+Vo
12,13	GND	GND

NC: No connection

RECOMMENDED FOOTPRINT



SINGLE OUTPUT



Note:

Unit : mm[inch]

General tolerances: ±0.50mm[±0.020inch]

L=530mm[20.866inch] Tube Quantity: 15pcs

L=220mm[8.661inch] Tube Quantity: 6pcs

No e:

1. The load ho ldn' be le than 10%, o he i e ipple ill inc ea e d amacall .
2. Ope a ion nde 10% load ill no damage he con e e ; Ho e e , he ma no mee all pecificaton li ed.
3. All pecificaton mea ed a Ta=25 , h midi <75%, nominal inp ol age and a ed o p load nle o he i e pecified.
4. In hi da a hee , all he e me hod of indica ion a e ba ed on co po a e anda d .
5. Onl pical model li ed, o he model ma be diffe en , plea e con ac o echnical pe on fo mo e de ail .