



## ■ Features :

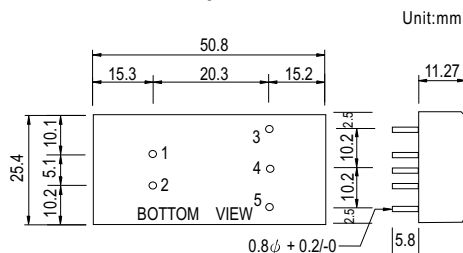
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC / CE



## SPECIFICATION

ORDER NO.		DLW05A-05	DLW05B-05	DLW05C-05	DLW05A-12	DLW05B-12	DLW05C-12	DLW05A-15	DLW05B-15	DLW05C-15
OUTPUT	DC VOLTAGE	±5V			±12V			±15V		
	CURRENT RANGE	±50 ~ ±500mA			±20.8 ~ ±208mA			±16.7 ~ ±167mA		
	RATED POWER	5W								
	RIPPLE & NOISE (max.) <small>Note.2</small>	50mVp-p			60mVp-p			60mVp-p		
	LINE REGULATION <small>Note.3</small>	±0.2%								
	LOAD REGULATION <small>Note.4</small>	±0.5%								
	VOLTAGE ACCURACY	±2.0%								
	SWITCHING FREQUENCY	50KHz min.								
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC   B: 18 ~ 36VDC   C: 36 ~ 72VDC								
	EFFICIENCY (Typ.)	75%	77%	77%	80%	82%	83%	81%	83%	85%
	DC CURRENT	Full load	A: 556mA   B: 270mA   C: 135mA							
		No load	A: 33mA   B: 16mA   C: 10mA							
	FILTER	Pi network								
	PROTECTION	Fuse recommended								
PROTECTION <small>(Note. 5)</small>	OVERLOAD	160 ~ 250% rated output power								
		Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	All output equipped with short circuit								
		Protection type : Hiccup mode, recovers automatically after fault condition is removed								
ENVIRONMENT	WORKING TEMP.	-25 ~ +71℃ (Refer to output load derating curve)								
	WORKING HUMIDITY	20% ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-25 ~ +105℃, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 50℃)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P:1KVDC								
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25℃/ 70% RH								
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class B, FCC part 15 Class B								
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A								
OTHERS	MTBF	800khrs min. MIL-HDBK-217F(25℃)								
	DIMENSION	50.8*25.4*11.27mm or 2.0**1.0**0.44" inch (L*W*H)								
	WEIGHT	32g								

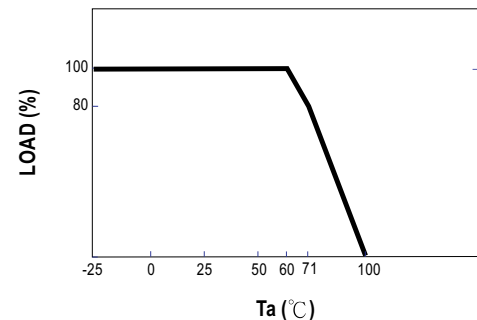
## ■ Mechanical Specification



## ■ Pin Configuration

Pin no.	Output Dual
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

## ■ Derating Curve



## NOTE

1. All parameters are specified at normal input, rated load, 25°C 70% RH Ambient.
2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured from 10% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.