

Features :

- 1000VDC I/O isolation
- Internal SMD technology
- Built-in EMI filter
- Cooling by free air convection
- Non-conductive plastic case
- Dual in line package
- SIP packge is available
- 100% burn-in test
- Low cost / High reliability
- 2 years warranty

SELECTION GUIDE

ORDER NO.		SRS-0505	SRS-1205	SRS-2405	SRS-4805	SRS-0509	SRS-1209	SRS-2409	SRS-4809
OUTPUT	DC VOLTAGE	5V				9V			
	CURRENT RANGE	0 ~ 100mA				0 ~ 56mA			
	EFFICIENCY (TYP.)	60%				60%			

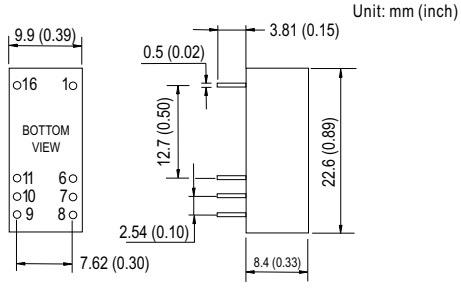
ORDER NO.		SRS-0512	SRS-1212	SRS-2412	SRS-4812	SRS-0515	SRS-1215	SRS-2415	SRS-4815
OUTPUT	DC VOLTAGE	12V				15V			
	CURRENT RANGE	0 ~ 42mA				0 ~ 34mA			
	EFFICIENCY (TYP.)	60%				60%			

SPECIFICATION

OUTPUT	RATED POWER		0.5W							
	RIPPLE & NOISE (max.) Note.2		100mVp-p							
	LINE REGULATION		±1.0%							
	LOAD REGULATION Note.3		±1.0%							
	VOLTAGE ACCURACY		±2.0%(Typ.) ±3.0%(max.)							
	SWITCHING FREQUENCY		50KHz min.							
INPUT	VOLTAGE RANGE		4.5 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V	4.5 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V	43.2 ~ 52.8V
	NORMAL VOLTAGE		5V	12V	24V	48V	5V	12V	24V	48V
	INPUT CURRENT	Full load	166mA	66mA	32mA	18mA	166mA	66mA	32mA	18mA
		No load	12mA	10mA	8mA	6mA	12mA	10mA	8mA	6mA
	FILTER		Capacitor type							
	PROTECTION		Fuse recommended							
PROTECTION (Note. 4)	OVERLOAD		150 ~ 350% 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							
	ISOLATION CAPACITANCE		80pF max.							
OTHERS	MTBF		600khrs min. MIL-HDBK-217F(25℃)							
	DIMENSION		22.6*9.9*8.4mm or 0.89"*0.39"*0.33" inch (L*W*H)							
	WEIGHT		3.1g							

Mechanical Specification

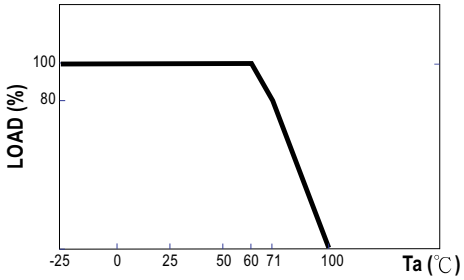
Unit: mm (inch)



Pin Configuration

Pin No.	Output
1 & 16	+Vin
6 & 11	-Vout
7 & 10	+Vout
8 & 9	-Vin

Derating Curve



NOTE

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