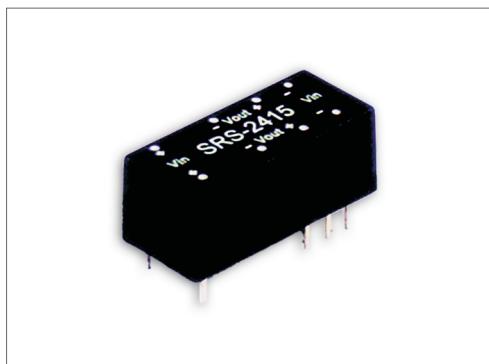


0.5W DC-DC regulated single output converter



- Internal SMD technology
- 1000VDC I/O isolation
- 3000VDC isolation is available
- Input filter: Capacitor type
- Non-conductive plastic case
- Dual in line package
- SIP packge is available
- High reliability / Low cost
- 100% burn-in test
- 1 year warranty

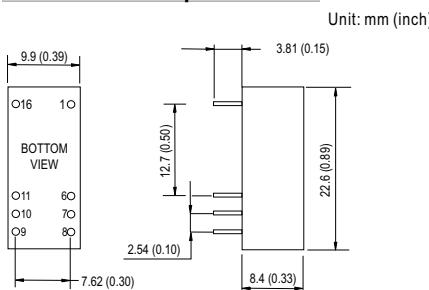
### SELECTION GUIDE

ORDER NO.	SRS-0505	SRS-1205	SRS-2405	SRS-4805	SRS-0509	SRS-1209	SRS-2409	SRS-4809
	DC OUTPUT VOLTAGE				9V			
	INPUT CURRENT RANGE				0 ~ 100mA			
EFFICIENCY	62%	67%	65%	70%	60%	63%	65%	70%
ORDER NO.	SRS-0512	SRS-1212	SRS-2412	SRS-4812	SRS-0515	SRS-1215	SRS-2415	SRS-4815
	DC OUTPUT VOLTAGE				15V			
	INPUT CURRENT RANGE				0 ~ 34mA			
EFFICIENCY	62%	65%	67%	72%	62%	65%	67%	72%

### SPECIFICATION

<b>OUTPUT</b>	RATED POWER	0.5W							
	VOLTAGE ACCURACY	±2%							
	RIPPLE & NOISE (max.) Note.2	100mVp-p							
	LINE REGULATION	±1%							
	LOAD REGULATION Note.3	±1%							
	SWITCHING FREQUENCY	50KHz min.							
<b>INPUT</b>	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
		No load	12mA	7mA	4mA	2mA	12mA	7mA	4mA
FILTER		Capacitor type							
<b>PROTECTION</b>	OVER LOAD	Momentary							
	SHORT CIRCUIT	Momentary							
<b>ENVIRONMENT</b>	WORKING TEMP., HUMIDITY	-25~+60°C @, 20%~90% RH non-condensing; 80% load @ 71°C							
	STORAGE TEMP., HUMIDITY	-25~+105°C, 10~95% RH							
	TEMP. COEFFICIENT	±0.03%/°C							
VIBRATION		10~500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes							
<b>SAFETY &amp; EMC</b>	WITHSTAND VOLTAGE	I/P-O/P:1KVDC for 1min.							
	ISOLATION RESISTANCE	I/P-O/P: 500VDC/ 100M Ohms min.							
	ISOLATION CAPACITANCE	80pF max.							
<b>OTHERS</b>	MTBF	600khrs min. MIL-HDBK-217F Part-count GB							
	DIMENSION	22.6*9.9*8.4mm (L*W*H) or 0.89"*0.39"*0.33" inch (L*W*H)							
	PACKING	3.1g/pcs							

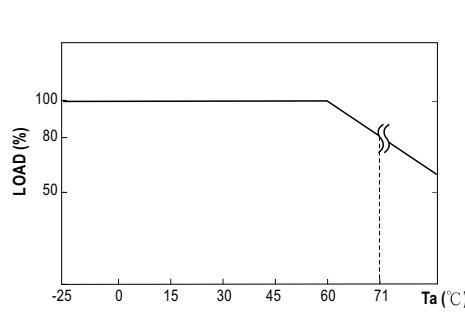
#### Mechanical Specification



#### 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°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.Load regulation is measured from 10% to 100% rated load.