



#### ■ 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
- 100% burn-in test
- Low cost / High reliability
- 2 years warranty

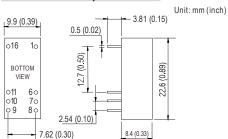
### **SELECTION GUIDE**

ORDER NO.		SRS-0505	SRS-1205	SRS-2405	SRS-4805	SRS-0509	SRS-1209	SRS-2409	SRS-4809
ОИТРИТ	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
	DC VOLTAGE	12V				15V			
OUTPUT	CURRENT RANGE	0 ~ 42mA				0 ~ 34mA			
	EFFICIENCY (TYP.)	60%				60%			

### **SPECIFICATION**

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	RATED POWER		0.5W								
ОИТРИТ	RIPPLE & NOISE (max.) Note.2		100mVp-p								
	LINE REGULATION		±1.0%								
	LOAD REGULATIO	N Note.3	3 ±1.0%								
	VOLTAGE ACCURACY		$\pm 2.0\% ({\sf Typ.}) \qquad \pm 3.0\% ({\sf max.})$								
	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	175mA	72mA	36mA	19mA	175mA	72mA	36mA	19mA	
		No load	37mA	15mA	9mA	5mA	37mA	15mA	9mA	5mA	
	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 °C (Refer to "Derating Curve")								
	WORKING HUMIDITY		20%~90% RH non-condensing								
	STORAGE TEMP., HUMIDITY		-25 ~ +105°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT		±0.03% / °C(0~50°C)								
	VIBRATION		10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC	WITHSTAND VOLT		I/P-O/P:1KVDC								
	ISOLATION RESIST	TANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH								
	ISOLATION CAPACITANCE		80pF max.								
OTHERS	MTBF		600khrs min. MIL-HDBK-217F(25°C)								
	DIMENSION		22.6*9.9*8.4mm or 0.89"*0.39"*0.33" inch (L*W*H)								
	WEIGHT		3.1g								

## **■** Mechanical Specification



# **■** Pin Configuration

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

# 100 (%) 80 -

50 60 71

■ 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.
- 4.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.

**Ta (**°C)

# **Mouser Electronics**

**Authorized Distributor** 

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# Mean Well:

<u>SRS-0505</u> <u>SRS-0509</u> <u>SRS-0512</u> <u>SRS-0515</u> <u>SRS-1205</u> <u>SRS-1209</u> <u>SRS-1212</u> <u>SRS-1215</u> <u>SRS-2405</u> <u>SRS-2409</u> SRS-2412 SRS-2415 SRS-4805 SRS-4809 SRS-4812 SRS-4815