



■ Features :

- 1500VDC 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
- Approvals: FCC / EAC / CE / UKCA
- 2 years warranty

■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



SELECTION GUIDE

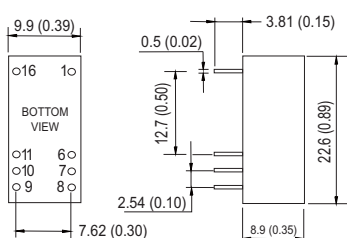
ORDER NO.		SRS-0505	SRS-1205	SRS-2405	SRS-4805	SRS-0509	SRS-1209	SRS-2409	SRS-4809
OUTPUT	DC VOLTAGE	5V				9V			
	CURRENT RANGE	0 ~ 100mA				0 ~ 56mA			
	EFFICIENCY (TYP.)	60%				60%			
ORDER NO.		SRS-0512	SRS-1212	SRS-2412	SRS-4812	SRS-0515	SRS-1215	SRS-2415	SRS-4815
OUTPUT	DC VOLTAGE	12V				15V			
	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.)						
INPUT	SWITCHING FREQUENCY		50KHz min.						
	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
	NORMAL VOLTAGE		5V	12V	24V	48V	5V	12V	24V
	INPUT CURRENT	Full load	175mA	72mA	36mA	19mA	175mA	72mA	36mA
		No load	37mA	15mA	9mA	5mA	37mA	15mA	9mA
PROTECTION (Note. 4)	FILTER		Capacitor type						
	PROTECTION		Fuse recommended						
	OVERLOAD		150 ~ 350% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed						
ENVIRONMENT	SHORT CIRCUIT		All output equipped with short circuit Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	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)						
SAFETY & EMC	VIBRATION		10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes						
	SAFETY STANDARDS		EAC TP TC 020/2011 approved						
	WITHSTAND VOLTAGE		I/P-O/P: 1.5KVDC						
	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH						
	ISOLATION CAPACITANCE		80pF max.						
OTHERS	EMC EMISSION		Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020						
	EMC IMMUNITY		Compliance to BS EN/EN61000-4-2, 3, 4, 5, 6, 8, light industry level, criteria A, EAC TP TC 020						
	MTBF		600khrs min. MIL-HDBK-217F(25°C)						
OTHERS	DIMENSION		22.6*9.9*8.9mm or 0.89**0.39**0.35" inch (L*W*H)						
	PACKING		3.1g ; 22pcs/per tube, 3080pcs/140 tube/per carton						

■ Mechanical Specification

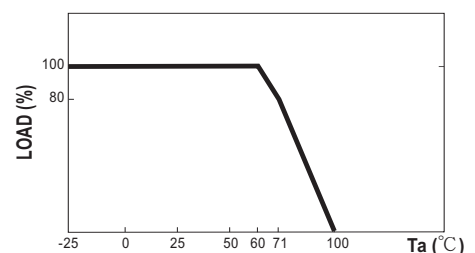
NOTE: All dimensions are in mm(inch)
 • Pin size is 0.50x0.30mm (0.02" x0.01")
 • Pin is Tolerance:x.xx±0.05mm(±0.002")
 • Tolerance:x.x or x.xx±0.5mm(±0.02")



■ Pin Configuration

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

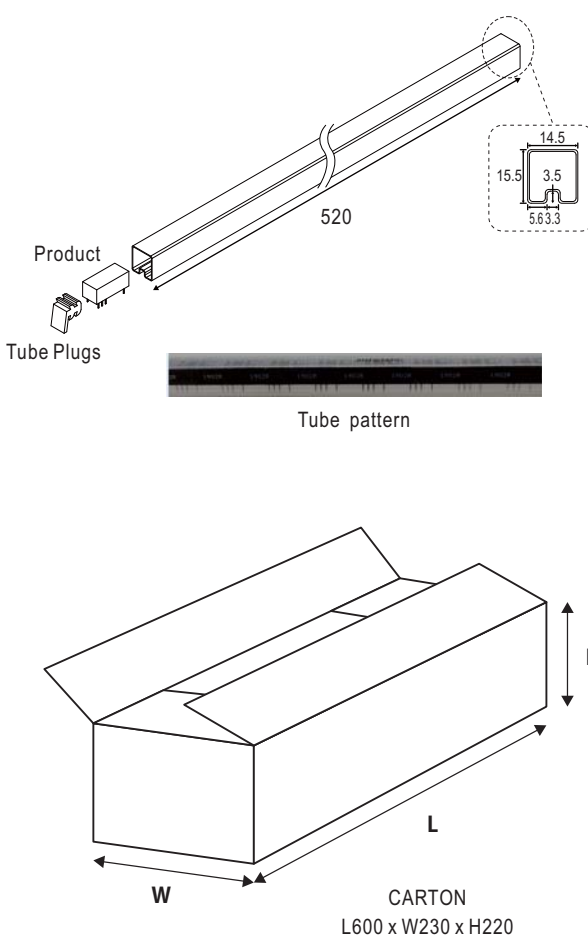
■ Derating Curve



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.
 - 4.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

Packing

Standard Tube Packing	MPQ Per Tube (PCS)	One Tube G.W.	Max. Q'TY/ Carton(PCS)	One Carton G.W.
Unit : mm  Product Tube Plugs 520 14.5 15.5 3.5 5633 Tube pattern CARTON L600 x W230 x H220 L W H	22	110g	3080	16.2Kg

Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>