



## 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**

DC OUTPUT VOLTA OUTPUT CURRENT EFFICIENCY		5V	1			9V				
OUTPUT CURRENT						90				
EFFICIENCY	OUTPUT CURRENT RANGE		0 ~ 200mA				0 ~ 111mA			
		73%	74%	72%	74%	75%	79%	80%	77%	
ORDER NO.		SUS01L-12	SUS01M-12	SUS01N-12	SUS010-12	SUS01L-15	SUS01M-15	SUS01N-15	SUS010-15	
DC OUTPUT VOLTAGE		12V				15V	1	1		
OUTPUT CURRENT RANGE		0~84mA				0 ~ 67mA				
EFFICIENCY		78%	82%	83%	83%	79%	82%	83%	83%	
RATED POWER		1W								
RIPPLE & NOISE (max.) Note.2 LINE REGULATION Note.3										
		±2.0%								
		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	43.2 ~ 52.8	
NORMAL VOLTAGE		5V	12V	24V	48V	5V	12V	24V	48V	
	Full load	280mA	112mA	55mA	28mA	280mA	112mA	55mA	28mA	
INPUT CURRENT	No load	21mA	11mA	10mA	3mA	21mA	11mA	10mA	3mA	
FILTER		Capacitor type	1			-1	-1			
PROTECTION		Fuse recommended								
		Momentary								
OVERLOAD	DVERLOAD		Protection type : Broken							
			Momentary							
		Protection type : Broken								
WORKING TEMP. WORKING HUMIDITY		-25 ~ +71°C (Refer to output load derating curve)								
		20% ~ 90% RH non-condensing								
STORAGE TEMP., H	IUMIDITY	-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 & WITHSTAND VOLTAGE		I/P-O/P:1KVDC								
EMC ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25°C/ 70% RH								
ISOLATION CAPACITANCE		80pF max.								
OTHERS DIMENSION		700khrs 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								
			Unit: mm (inch) 5) Pin No. Output 1&16 +Vin \$ 80							
	ATION RATED POWER RIPPLE & NOISE (n LINE REGULATION LOAD REGULATION VOLTAGE ACCURA SWITCHING FREQU VOLTAGE RANGE NORMAL VOLTAGE INPUT CURRENT FILTER PROTECTION OVERLOAD SHORT CIRCUIT WORKING TEMP. WORKING TEMP. WORK	ATION RATED POWER RIPPLE & NOISE (max.) Note.2 LINE REGULATION Note.3 LOAD REGULATION Note.4 VOLTAGE ACCURACY SWITCHING FREQUENCY VOLTAGE RANGE NORMAL VOLTAGE INPUT CURRENT Full load FILTER PROTECTION OVERLOAD SHORT CIRCUIT WORKING TEMP. WORKING TEMP. WORKING TEMP. WORKING TEMP., HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION WITHSTAND VOLTAGE ISOLATION RESISTANCE ISOLATION CAPACITANCE MTBF DIMENSION WEIGHT	ATION RATED POWER 1W RIPPLE & NOISE (max.) Note.2 100mVp-p LINE REGULATION Note.3 ±1.2% for 1% LOAD REGULATION Note.4 ±8.0% VOLTAGE ACCURACY ±2.0% SWITCHING FREQUENCY 50KHz min. VOLTAGE RANGE 4.5 ~ 5.5V NORMAL VOLTAGE 5V INPUT CURRENT Full load 280mA No load 21mA FILTER Capacitor type PROTECTION Fuse recomme OVERLOAD Fuse recomme WORKING TEMP25 ~ +71°C (R WORKING TEMP25 ~ +71°C (R WORKING TEMP25 ~ +71°C (R WORKING TEMP25 ~ +71°C (R WORKING TEMP. +0.03% / °C (0) VIBRATION 10 ~ 500Hz, 2 WITHSTAND VOLTAGE I/P-O/P: 1100M ISOLATION RESISTANCE I/P-O/P: 1100M ISOLATION CAPACITANCE 80pF max. MTBF 700khrs min. DIMENSION 22.6*9.9*8.4n WEIGHT 3.1g	ATION RATED POWER 1W RIPPLE & NOISE (max.) Note.2 100mVp-p LINE REGULATION Note.3 ±1.2% for 1% input variation LOAD REGULATION Note.4 ±8.0% VOLTAGE ACCURACY ±2.0% SWITCHING FREQUENCY 50KHz min. VOLTAGE RANGE 4.5~5.5V 10.8~13.2V NORMAL VOLTAGE 5V 12V NORMAL VOLTAGE 5V 12V NORMAL VOLTAGE 5V 12V NORMAL VOLTAGE 5V 12V NORMAL VOLTAGE Full load 280mA 112mA FILTER Capacitor type PROTECTION Fuse recommended OVERLOAD Momentary Protection type : Broken WORKING TEMP25~+71°C (Refer to output loa WORKING TEMP25~+71°C (Refer to output loa WORKING HUMIDITY 20%~90% RH non-condens STORAGE TEMP, HUMIDITY -25~+105°C, 10~95% RH TEMP. COEFFICIENT ±0.03% / °C (0~50°C) VIBRATION 10~500HZ, 2G 10min./1 cycc WITHSTAND VOLTAGE I/P-O/P: 100M Ohms / 500VD ISOLATION RESISTANCE I/P-O/P: 100M Ohms / 500VD ISOLATION CAPACITANCE 80pF max. MTBF 700khrs min. MIL-HDBK-217 DIMENSION 22.6*9.9*8.4mm or 0.89"*0.3 WEIGHT 3.1g PinI 18 6& 7& 8 %	ATION RATED POWER 1W RIPPLE & NOISE (max.) Note: 2 100mVp-p LINE REGULATION Note: 3 ±1.2% for 1% input variation LOAD REGULATION Note: 4 ±8.0% VOLTAGE ACCURACY ±2.0% SWITCHING FREQUENCY 50KHz min. VOLTAGE RANGE 4.5 ~ 5.5V 10.8 ~ 13.2V 21.6 ~ 26.4V NORMAL VOLTAGE 5V 12V 24V INPUT CURRENT Full load 280mA 112mA 55mA No load 21mA 11mA 10mA FILTER Capacitor type PROTECTION Fuse recommended OVERLOAD Momentary Protection type : Broken SHORT CIRCUIT Momentary Protection type : Broken WORKING TEMP25 ~ +71°C (Refer to output load derating curve WORKING TEMP25 ~ +105°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03% / °C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min.11 cycle, period for WITHSTAND VOLTAGE I/P-0/P: 100M Ohms / 500VDC / 25°C / 70% FR ISOLATION CAPACITANCE I/P-0/P: 100M Ohms / 500VDC / 25°C / 70% FR ISOLATION CAPACITANCE I/P-0/P: 100M Ohms / 500VDC / 25°C / 70% FR MDF T 3.1g Chanical Specification Unit: mm (inch) Pin Configura	ATION         RATED POWER       1W         RIPPLE & NOISE (max.) Note.2       100mVp-p         LINE REGULATION       Note.3       ±1.2% for 1% input variation         LOAD REGULATION       Note.4       ±8.0%         VOLTAGE ACCURACY       ±2.0%         SWITCHING FREQUENCY       50KHz min.         VOLTAGE RANGE       4.5 ~ 5.5V       10.8 ~ 13.2V       21.6 ~ 26.4V       43.2 ~ 52.8V         NORMAL VOLTAGE       5V       12V       24V       48V         INPUT CURRENT       Full load       280mA       112mA       55mA       28mA         INPUT CURRENT       Full load       280mA       112mA       55mA       28mA         INPUT CURRENT       Full load       280mA       112mA       55mA       28mA         Noload       21mA       11mA       10mA       3mA         FILTER       Capacitor type       Protection type : Broken       Momentary         OVERLOAD       Momentary       Protection type : Broken       WORKING TEMP.       -25 ~ +105°C, 10 ~ 95% RH       10.26 ~ 910% / °C (0 ~ 50°C)       WORKING HUMIDITY       20% ~ 90% RH non-condensing       STORAGE TEMP, HUMIDITY       -25 ~ +105°C, 10 ~ 95% RH       10.501ATION CAPACITANCE       800F max.         NOTHALTON	Intervention         Percent (No. 1000)         Percent (No.	ATTOM RATED POWER 100 1000 1000 1000 1000 1000 1000 100	ATION       Image: Second Secon	

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Isolated DC/DC Converters category:

Click to view products by Mean Well manufacturer:

Other Similar products are found below :

ESM6D044440C05AAQ FMD15.24G PSL486-7LR PSR152.5-7IR Q48T30020-NBB0 AVO240-48S12B-6L AVO250-48S28B-6L NAN-0505 HW-L16D JAHW100Y1 217-1617-001 22827 SPB05C-12 SQ24S15033-PS0S 18952 19-130041 CE-1003 CE-1004 GQ2541-7R PSE1000DCDC-12V RDS180245 MAU228 419-2065-201 449-2075-101 J80-0041NL V300C24C150BG 419-2062-200 419-2063-401 419-2067-101 419-2067-501 419-2068-001 DCG40-5G DFC15U48D15 449-2067-000 XGS-0512 XGS-1205 XGS-1212 XGS-2412 XGS-2415 XKS-1215 033456 NCT1000N040R050B SPB05B-15 SPB05C-15 SSQE48T25025-NAA0G L-DA20 HP3040-9RG HP1001-9RTG NVD0.4YJJ-M6G XKS-2415