

# SMD15 SERIES

## 15W DC to DC Converter Module For I.T.E.

### Description:

The SMD15 series of DC to DC Converters module provide 15Watts of continuous output power. All units are 100% burned in and tested.



### Features:

- Wide Input Voltage 36 to 72 VDC
- Dual Output
- Size: 1.3"x2.1"x0.9" (33Wx53Lx23Hmm)
- Efficiency up to 75%
- 500VDC Isolation
- MTBF > 100,000 Hours,
- UL 94V-1 Package Material
- Continues short circuit protection
- 2 year warranty

### Application:

- Data communication equipment
- Telecommunication equipment
- Industry control system

### Electrical Characteristics:

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vin	Input Voltage	Operating Voltage	36		72	VDC
Po	Output Power Range	Vin=36 to 72VDC	0		15	W

### Environmental :

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Toper	Operating Temperature		0		70	°C
Tstg	Storage Temperature		-40		85	°C
Hr	Relative Humidity		5		95	%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		0.1M			Hrs
Pd	Derate linearly from 100% load at 40°C to 50% load at 70°C					

### Safety Specifications:

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Ris	Isolation Resistance	Test Voltage=500VDC	50			M Ω
CISPR	EMI requirements for CISPR-22	Vin=48VDC	B			CLASS
FCC	EMI requirements for FCC PART-15	Vin=48VDC				CLASS

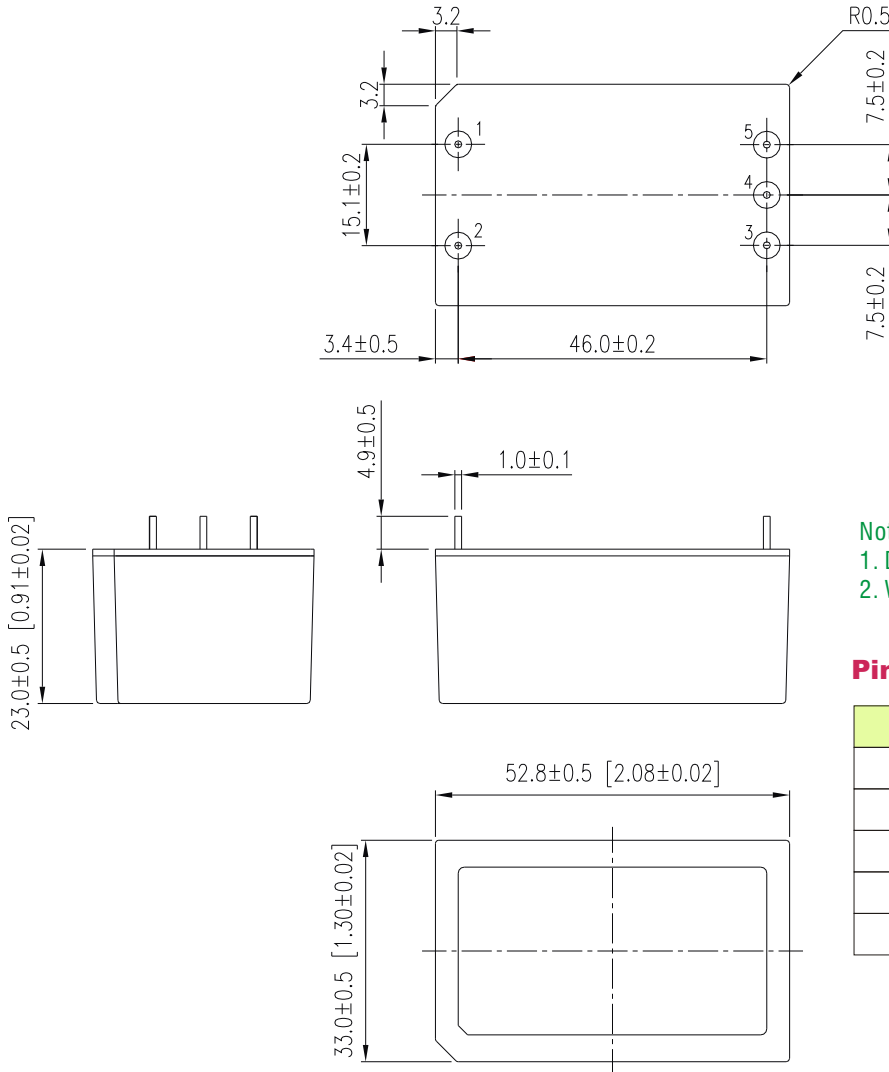
### Output Voltage And Current Rating Chart ( Multi Output ) :

Model Number	Output #1				Output #2				Output #3				Maximum Output Power
	Vonom	Iomin	Iomax	Regmax	Vonom	Iomin	Iomax	Regmax	Vonom	Iomin	Iomax	Regmax	
SMD15-201	+5.0V	0.6A	1.8A	5%	+12V	0.20A	0.03A	10%					12.00W
SMD15-209	+12.0V	0.6A	1.0A	5%	-12V	0.25A	0.30A	10%					15.00W
SMD15-210	+15.0V	0.6A	0.8A	5%	-15V	0.20A	0.30A	10%					15.00W

# SMD15 SERIES

## 15W DC to DC Converter Module For I.T.E.

### Mechanical Specifications :



Note:  
 1. Dimensions are shown in mm.  
 2. Weight: 140gs approx.

### Pin Connections:

Pin	Dual
1	-Vin
2	+Vin
3	Vo2
4	Common
5	Vo1