

■ Features

- Input - output Isolated
- RoHS directive
- Dimension 50.8 x 50.8 x 10.16mm
- Built-in over current protection circuit.
- Metal Case



■ Environmental & Isolation Specifications

Parameter	Min	Typ	Max	Unit	Notes
Operating Temperature	-20	-	70	°C	
Storage Temperature	-40	-	105	°C	
Operating Humidity (Non-condensing)	10	-	95	%	
Isolation Voltage (Input - Output)	500	-	-	VAC	
Isolation Resistance (Input - Output)	100	-	-	MΩ	at 500VDC

■ Electrical Specifications

Input Characteristics

Parameter	Min	Typ	Max	Unit	Notes
Operating input Voltage Range (Vin)					
12Vin	9	12	18	V	
24Vin	18	24	36	V	
48Vin	36	48	72	V	
Maximum Input Current (Iin)					
12Vin		-	2.00	A	
24Vin		-	1.00	A	
48Vin		-	0.50	A	

Output General

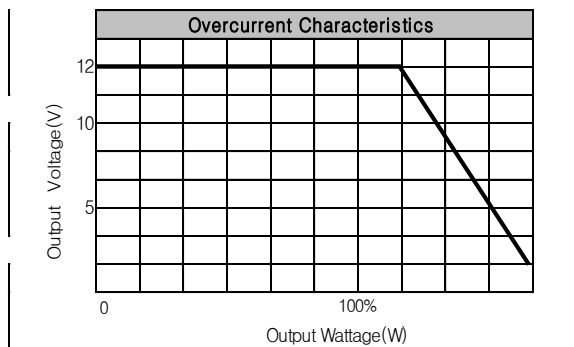
Parameter	Min	Typ	Max	Unit	Notes
Output Voltage Tolerance		-	±3	%	
Line Regulation		-	±0.5	%	
Load Regulation		-	±1	%	
Output Ripple & Noise Nominal Vin, Maximum Io, B/W 20MHz		-	1% of Vout	mV	
Dynamic Load Response		-	5% of Vout	mV	
CNT (Remote on/off control) ON = Open or Logic Low OFF = Logic High(+2~5V)					
TRM (output trimable Vout)		-	@+5%	%	

IS30 Series Specifications

Model Name	Input Range (V)	Output			Efficiency TYP.	Notes
		V _{out}	I _{out}	P _{out}		
IS30-12-033	9~18	3.3 V	5.00 A	16.5 W	78 %	
IS30-12-05	9~18	5 V	5.00 A	25.0 W	78 %	
IS30-12-12	9~18	12 V	2.00 A	24.0 W	82 %	
IS30-12-15	9~18	15 V	1.60 A	24.0 W	82 %	
IS30-12-24	9~18	24 V	1.00 A	24.0 W	82 %	
IS30-24-033	18~36	3.3 V	5.00 A	16.5 W	84 %	
IS30-24-05	18~36	5 V	5.00 A	25.0 W	84 %	
IS30-24-12	18~36	12 V	2.00 A	24.0 W	86 %	
IS30-24-15	18~36	15 V	1.60 A	24.0 W	86 %	
IS30-24-24	18~36	24 V	1.00 A	24.0 W	86 %	
IS30-48-033	36~72	3.3 V	5.00 A	16.5 W	85 %	
IS30-48-05	36~72	5 V	5.00 A	25.0 W	85 %	
IS30-48-12	36~72	12 V	2.00 A	24.0 W	87 %	
IS30-48-15	36~72	15 V	1.60 A	24.0 W	87 %	
IS30-48-24	36~72	24 V	1.00 A	24.0 W	87 %	

※ All of datas are tested at 25°C

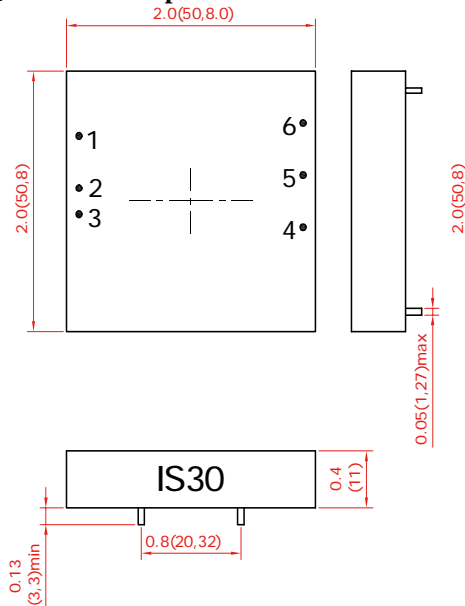
Over current characteristics



Pin Assignments

IS30		
PIN	FUNCTION	
1	CNT	Input
2	-Vin	
3	+Vin	
4	+Vout	Output
5	-Vout	
6	TRM	

Mechanical Specification



Artwork Reference (Unit : mm)

