

Typical Performance

FEATURES

- Ultra Wide Input voltage range:200-1200VDC
- Typical efficiency : 86%
- Over Temperature /Short circuit protection
- High Reliability
- PCB board in-line type installs
- Metal case



3-Years Product Warranty

Technology parameter Test condition:General Nominal Line,Tc=25℃, Rated resistant load unless other wispecified

Input feature	Min	Nom	Max	Notes
Input voltage (Vdc)	200	600	12000	W
Input Current	20W			210mA(typ)
Surge Current			10A(typ) 100V,20A(typ) 1200V	

Output Feature

Voltage accuracy		Vo1	±1.0%,
Line regulation	Nominal load,full voltage input range	Vo1	±0.5%
Load regulation	Nominal input Voltage,10% ~ 100% Nominal load	Vo1	±2%
Mini Load			0
Ripple and Noise	20MHz BM,test by 20M oscillograph		100mV(typ)
Output Current Protect			≥110%

General Feature

Efficiency			86% typical
Output Power derating			3.75%/℃
Operating temperature			-40℃ ~ +55℃
Max case temperature			+80℃
Storage temperature			-40℃ ~ +105℃

Start Time		800mS(typ)/at Vin:100VDC,500mS(typ)/at Vin:1200VDC	
Relative humidity			98%
dynamic response			±0.5%/500uS
Switching frequency			65-100KHz(typ)
Isolation Voltage			4000Vdc/1min
Temperature coefficient			≤±0.02%/℃
Insulation resistance			Input-Output 500Vdc 1000G
MTBF	BELLCORE TR332, (25℃)		2X10 ⁵ Hrs

Product Nomination Method

example	LT 5 - M2 S 05 ① ② ③ ④ ⑤		
①	Ultra Wide input voltage range: 100-1000VDC series	⑤	output voltage
②	Output power(W)	⑥	
③	M2=Normal input voltage:500VDC	⑦	
④	S=Single route output, D=Dual route output, T=Triple route output,		

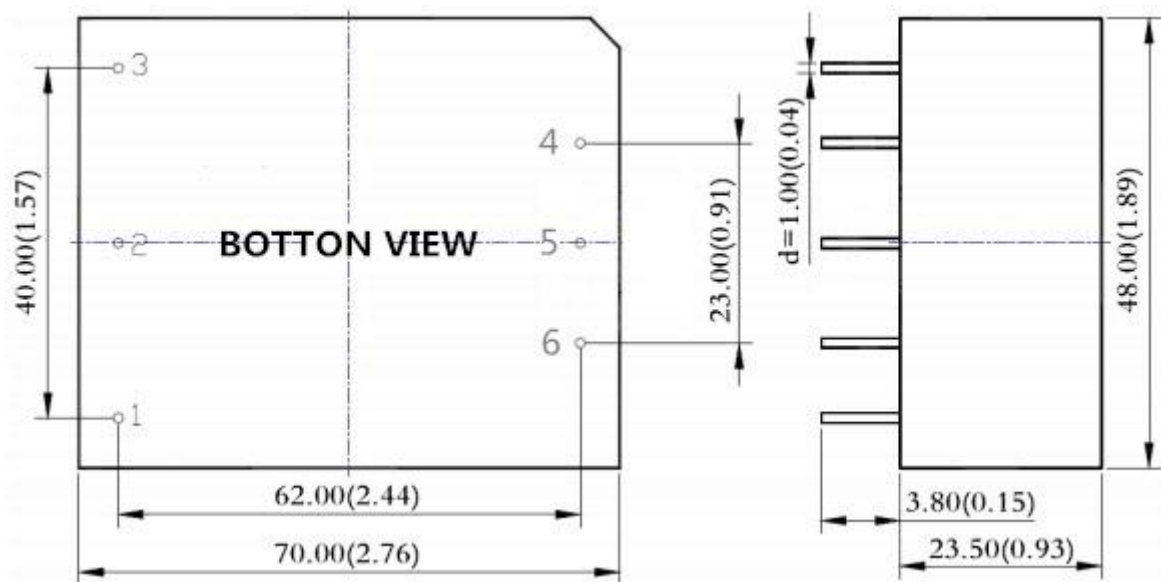
Product Program

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	A	V	A
LT20-M2S05	600VDC (200~1200VDC)	5V	4A				
LT20-M2S12		12V	1.67A				
LT20-M2S15		15V	1.33A				
LT20-M2S24		24V	0.833A				
LT20-M2D05		+5V	2A	-5V	2A		
LT20-M2D12		+12V	0.83A	-12V	0.83A		
LT20-M2D15		+15V	0.67A	-15V	0.67A		
LT20-M2D24		+24V	1A	0.42A	0.42A		

*NOTE:

The output ripple noise (peak value) measurement, please reference module test instructions.

Mechanical Dimension



BOTTON VIEW

LATERAL VIEW

UNIT:mm(inch)

Mechanical Data

WATT	L x W x H	Package
20W	70.0 x 48.0 x 23.5mm(2.76*1.89*0.93inch)	

Pin Assignment

PIN	1	2	3	4	5	6	7	8		
Single O/P	FG	-Vin	+Vin	+Vo	NP	GND				
Dual O/P	FG	-Vin	+Vin	+Vo	COM	-Vin				

Note: The power modules such as the definition of the pin does not match with the hand book,please refer to the actual item.