

LTS5

MAX. Power 5W Isolated On-Board Type AC-DC Converter

LTS5 Series Isolated On-Board Type AC-DC Converter



Features

- Power Saving Mode Operation (less than 0.3W)
- High Efficiency
- Isolated Input - Output
- Built-in over current protection circuit
- Short Circuit Protection
- Universal Input Voltage(Free Voltage)
- Safety standard : CB, CE approvals pending
- RoHS compatible design
- 3-years warranty

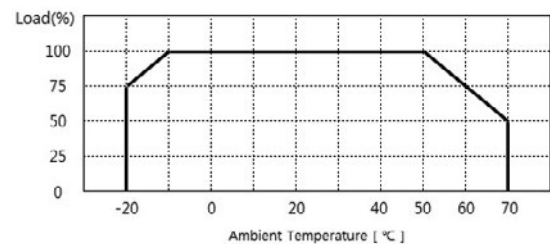
Environment

- Operating Temperature : -20°C ~ 70°C
- Operating Humidity : 20% ~ 90% RH (Non condensing)
- Storage Temperature : -40°C ~ 85°C
- Cooling : Free-Air Convection
- MTBF : 5.7×10^5 hrs

Applications

- Data and telecommunication
- Datacommunication electronic equipments
- FA control

Derating Curve



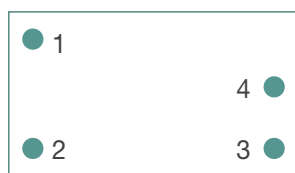
General Specifications

Input	Power Saving	less than 0.3W (@Input : 230Vac, Output : No Load)
	Voltage Range	AC85V ~ 264V OR DC120V ~ 370V
	Frequency	50Hz - 60Hz Typ.
	Current	0.15Amax.(110Vac), 0.07Amax.(220Vac)
	Efficiency	72% ~ 80%
	Inrush Current	20Amax.(110Vac), 30Amax.(220Vac) @ Cold start
Output	Leakage Current	0.2mAmax.(110Vac), 0.35mAmax.(220Vac)
	Output Voltage	5V, 12V, 15V, 24V
	Line, Regulation	± 1.0%
	Load, Regulation	± 1.0%
	Output Voltage Accuracy	± 2.0%
Protection Circuit	Ripple & Noise	100 - 200 [mVp-p]
	Over Current Protection	Works at over 105% of rating and recovers automatically
Electrically Isolated	Short circuit Protection	30s
	Input - Output	AC3kV, 1minute / DC500V, 100MΩ(min.)

LTS5 Series Ordering Information (Single Output)

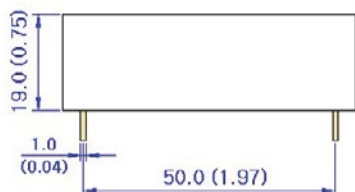
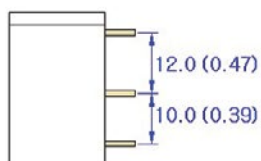
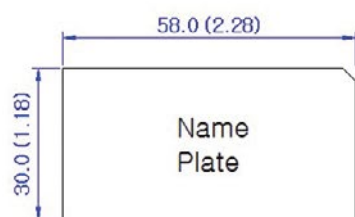
MODEL		LTS5 - 05	LTS5 - 12	LTS5 - 15	LTS5 - 24
Input Voltage (V)		AC85V ~ 264V, 44Hz ~ 440Hz or DC120V ~ 370V			
Power Saving		less than 0.3W (@Input : 230Vac, Output : No Load)			
Output	Vout (V)	5.0	12.0	15.0	24.0
	Iout (A)	1.00	0.42	0.34	0.21
Maximum Power (W)		5.00	5.04	5.10	5.04
Ripple & Noise (mVp-p)		100	120	150	200
Efficiency Typ. (%)		72	77	78	80

Pin assignments

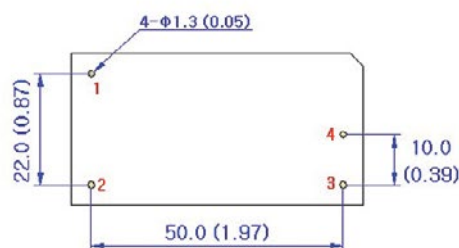


Pin No.	Single
1	AC input N
2	AC input L
3	+ Vout
4	- Vout

Outline Dimensions : <Unit : mm (inch)>



Mounting Hole (Top View)



NOTE

- Unit : mm (inch)
- Weight : 50g(Max.)
- Material : PBT