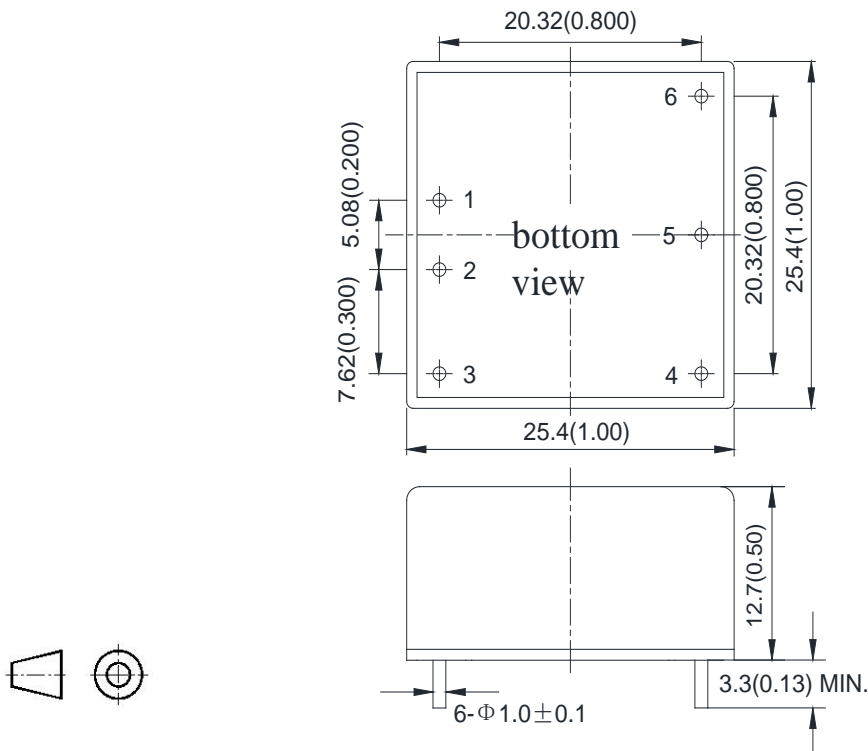


Features

- ◆ 25.4mm×25.4mm×12.7mm
- ◆ Input voltage range: 9–50 Vdc,
- ◆ Output current 10A max.
- ◆ 1500Vdc Input / Output to Base / FG
- ◆ Operating Case Temp: -40°C to +100°C
- ◆ Applications: Telecommunication equipments data exchange servers and distributed power.



Outline



Pin	Symbol	Function	Pin	Symbol	Function	Notes
1	+Vin	Input voltage positive	4	NP	No pin	Case material: Aluminium alloy; Pins material: Copper, tin-cerium plating; Units: mm(inches) ; Tolerance: X.X±0.5,(X.XX±0.02) X.XX±0.25(X.XXX±0.010)
2	-Vin	Input voltage negative	5	-Vo	Output voltage negative	
3	CNT	On/Off control	6	+Vo	Output voltage positive	

Specifications

Unless otherwise specified, all values are given at: 25°C, one standard atmosphere pressure, basic connection.

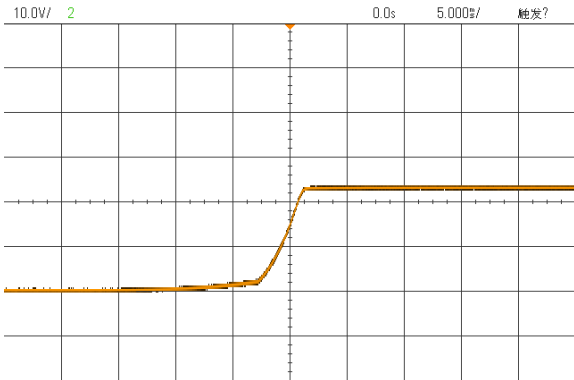
Input Specifications	Min	Typ	Max	Unit	Notes
Recommend input voltage range	10	28	36	Vdc	Continuous
Absolute input voltage range	9	—	50	Vdc	<u>With 10A max. limit:</u>
Max. current suppressed at input on	—	—	15	A	—

Output Specifications	Min	Typ	Max	Unit	Notes
Output voltage range	9.5	27.5	36	Vdc	—
Internal voltage drop	0	0.2	0.5	Vdc	—
Output current	0	—	10	A	10A max. limit continuous
Output capacitance	0	—	470	μ F	10A limit
Noise and ripples	0	—	20	mV	10A, Pure resistance load, 20MHz band limit
Start time	30	—	60	ms	

General Specifications	Min	Typ	Max	Unit	Notes
Efficiency	—	98	—	%	Full load
Dielectric withstand	1500	—	—	Vdc	Input/output to case
Case Temperature	-40	—	100	°C	—
Storage Temperature	-55	—	125	°C	—
Relative Humidity	10	—	90	%RH	—
Manual Soldering	—	—	425	°C	5s max
Wave Soldering	—	—	260	°C	10s max

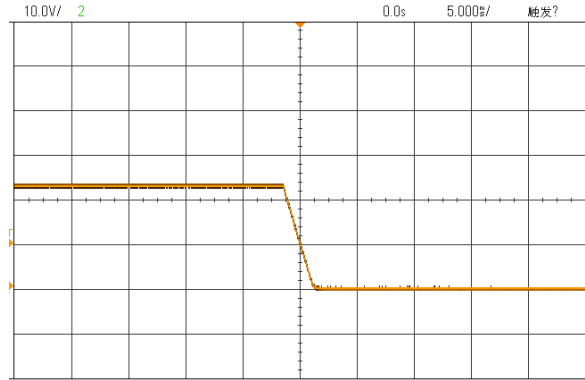
Characteristic Curves

Start-up



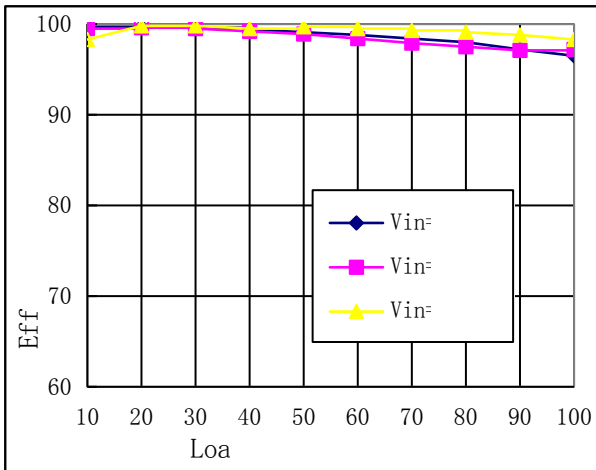
24V in, 1A output with 470μF output capacitance

Turn-off

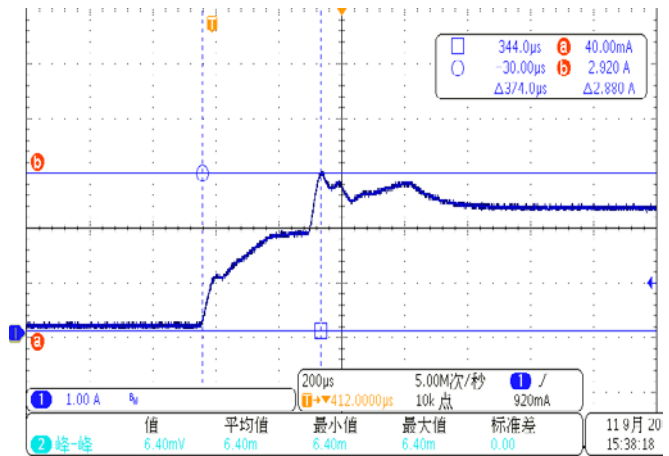


24V in, 1A output with 470μF output capacitance

Efficiency Curve



Transient current suppress



24Vin, supply for 470 μ F and 50W power module