Models and Ratings

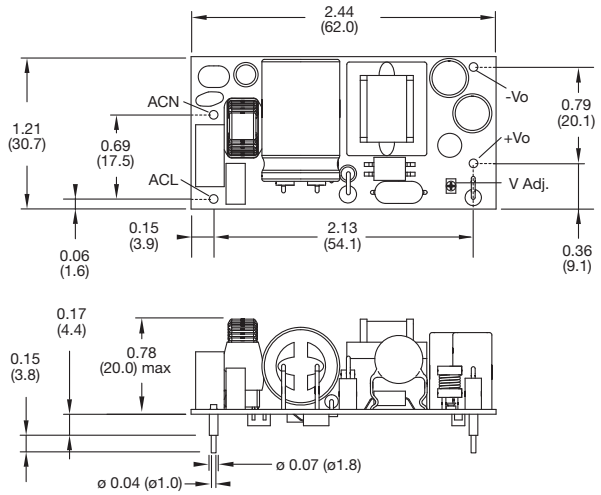
Output Power	Output Voltage	Output Current		Efficiency	Model Number[2,3]
		Nominal	Peak[1]		
10 W	3.3 VDC	3.00 A	3.90 A	75%	ECL15US03
15 W	5.0 VDC	3.00 A	3.90 A	78%	ECL15US05
15 W	9.0 VDC	1.67 A	2.17 A	80%	ECL15US09
15 W	12.0 VDC	1.25 A	1.62 A	80%	ECL15US12
15 W	15.0 VDC	1.00 A	1.30 A	80%	ECL15US15
15 W	24.0 VDC	0.63 A	0.82 A	82%	ECL15US24
15 W	48.0 VDC	0.32 A	0.41 A	82%	ECL15US48

Notes

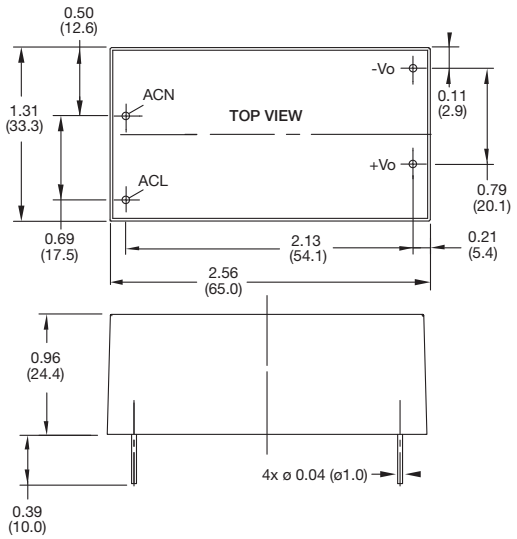
1. Peak load lasting <30 s with a maximum duty cycle of 10%, average output power not to exceed nominal.
2. Add suffix to model number to define type: add '-P' for PCB mount, add '-T' for chassis mount, add '-E' for encapsulated, add '-S' for screw terminals.
3. A screw terminal version (-S) is available with DIN clip attached, add suffix 'D', e.g. ECL15US24-SD,
DIN rail mounting kit is available as a separate item, order code ECL15 DIN CLIP.
4. For medically-approved 15 W power supplies contact sales or see www.xppower.com for details of CU15-M series and VCP15 series.

Mechanical Details

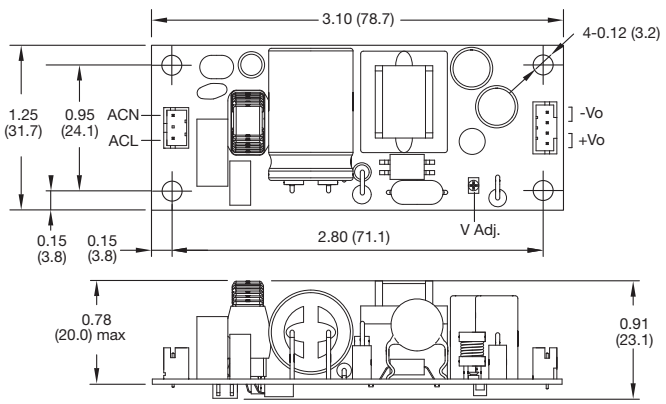
Open Frame – PCB Mount (–P)



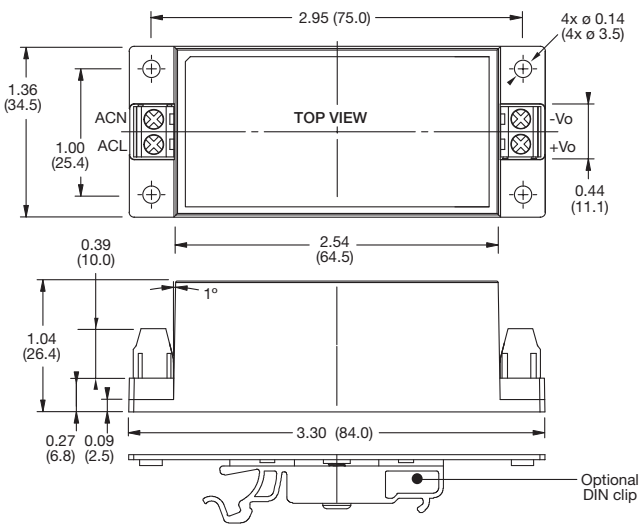
Encapsulated (–E)



Open Frame – Chassis Mount (–T)



Screw Terminal (–S)



Notes

1. All dimensions in inches (mm).
2. Weight: ECL15 P Version: 0.07 lbs (35 g)
T Version: 0.07 lbs (35 g)
E Version: 0.20 lbs (90 g)
S Version: 0.24 lbs (110 g)
3. Tolerances: x.xx = ± 0.02 (x.x = ± 0.5)
x.xxx = ± 0.01 (x.xx = ± 0.25)

Mating Connectors (-T version only)
Input Connector: JST PHR-3
Output Connector: JST PHR-4
Crimps: SPH-002T-P0.5S
Cable harness with 300 mm wire available, order part no. ECL15 LOOM KIT

ECL15UD/UT XP

Models and Ratings

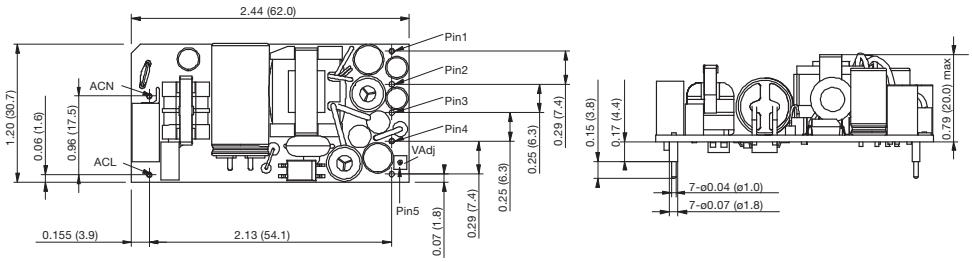
Output Power	Output 1		Output 2		Output 3		Efficiency	Model Number[3,4]
	Voltage	Current[2]	Voltage	Current[2]	Voltage	Current[2]		
15 W	+12.0 V	0.65 A	-12.0 V	0.650 A			82%	ECL15UD01
15 W	+15.0 V	0.50 A	-15.0 V	0.500 A			82%	ECL15UD02
15 W	5.0 V[1]	1.50 A	12.0 V[1]	0.625 A			81%	ECL15UD03
15 W	5.0 V[1]	2.00 A	+12.0 V	0.200 A	-12.0 V	0.200 A	81%	ECL15UT02
15 W	5.0 V[1]	2.00 A	+15.0 V	0.150 A	-15.0 V	0.150 A	81%	ECL15UT03

Notes

1. *Isolated output*
2. *Peak load of 130% lasting <30 s with a maximum duty cycle of 10%, average output power not to exceed nominal.*
3. *Add suffix to model number to define type: add '-P' for PCB mount, add '-T' for chassis mount, add '-E' for encapsulated, add '-S' for screw terminals.*
4. *A screw terminal version (-S) is available with DIN clip attached, add suffix 'D' e.g. ECL15UT02-SD, DIN rail mounting kit is available as a separate item, order code ECL15 DIN CLIP.*
5. *UD01/UD02: Load regulation <3%, 10-100% load. Cross regulation <3%, one output fixed, the other varied from 10-100% load*
   UD03: Load regulation <1% V1, <10% V2 Cross regulation <10% V2, V1 varied from 10-100% load
   UT02/UT03: Load regulation <1% V1, <10% V2 & V3 Cross regulation <10% V2 & V3, V2 & V3 at 50% load & V1 varied from 20-100% load

Mechanical Details

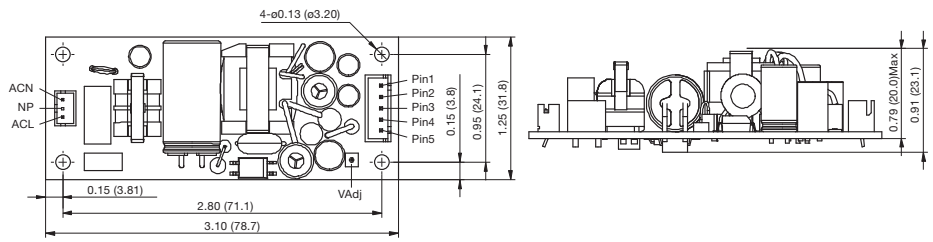
Open Frame – PCB Mount (–P)



Pin	UD01/02	UD03	UT02/03
1	V2	NP	V3
2	NP	V2 RTN	COM
3	COM	V2	V2
4	V1	V1	V1
5	NP	V1 RTN	V1 RTN

NP = No pin.

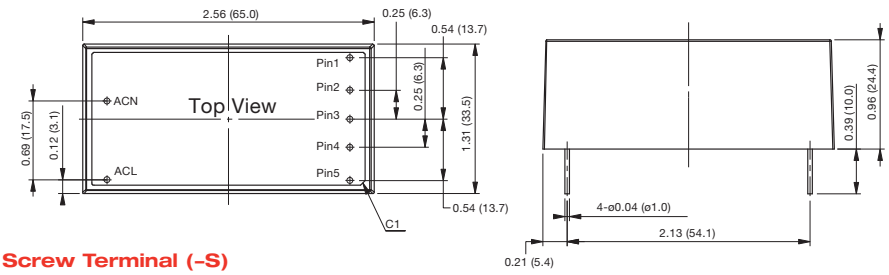
Open Frame – Chassis Mount (–T)



Pin	UD01/02	UD03	UT02/03
1	V2	NC	V3
2	COM	V2 RTN	COM
3	COM	V2	V2
4	COM	V1	V1
5	V1	V1 RTN	V1 RTN

NC = No connection.

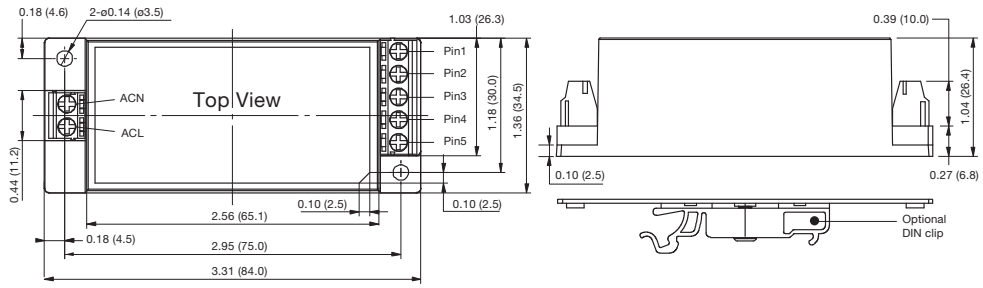
Encapsulated (–E)



Pin	UD01/02	UD03	UT02/03
1	V2	NP	V3
2	NP	V2 RTN	COM
3	COM	V2	V2
4	V1	V1	V1
5	NP	V1 RTN	V1 RTN

NP = No pin.

Screw Terminal (–S)



Pin	UD01/02	UD03	UT02/03
1	V2	NC	V3
2	COM	V2 RTN	COM
3	COM	V2	V2
4	COM	+V1	V1
5	V1	V1 RTN	V1 RTN

NC = No connection.

Notes

1. All dimensions in inches (mm).
2. Tolerances: x.xx = ± 0.02 (x.x = ± 0.5)
   x.xxx = ± 0.01 (x.xx = ± 0.25)
3. Weight: ECL15 UD/UT: P Version: 0.09 lbs (40 g)
   T Version: 0.09 lbs (40 g)
   E Version: 0.21 lbs(95 g)
   S Version: 0.26 lbs (120 g)

Mating Connectors (-T version only)
Input Connector: JST PHR-3
Output Connector: JST XHP-5