

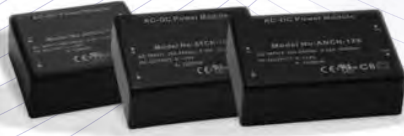
15 Watt

eAPCN /eATCN /eANCN Series

eAPCN

eATCN

eANCN



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 50 / 60 Hz
- ◆ Low Standby < 0.3W
- ◆ High Efficiency
- ◆ Isolation 4KV AC
- ◆ Isolation Class 4KV AC
- ◆ Isolation Class II
- ◆ CE, CB, UL Approvals
- ◆ 3-Year Warranty

Input Specifications	
Voltage Range	90 ~ 305 VAC or 120 — 430 VDC
Frequency	47~440 Hz
Output Specifications	
Output Power	15 Watt (max.)
Voltage Accuracy	±2% (Full Load and Nominal Vin)
Line Regulation	±0.5% (LL to HL at Full Load) (typ.)
Load Regulation	±1% (10% to 100% at Full Load) (typ.)
Ripple & Noise (20MHz bandwidth)	5S: <100mV (Vp-p) (typ.) 12S: <120mV (Vp-p) (typ.) 15S: <200mV (Vp-p) (typ.) 24S: <240mV (Vp-p) (typ.)
Temperature Coefficient	±0.02% °C (max.)
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)
General Specifications	
Efficiency (see table list)	80% to 85% (typ.)
Isolation Voltage	4000 VAC (min.)
Isolation Resistance	10 ⁸ Ω (Input to Output) (min.)
Operating Temperature	-40°C to +80°C (with Derating)
Storage Temperature	-40°C to +85°C
Humidity	95% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension (Tolerance ±0.5 mm)	64.3 x 45.1 x 21.7 mm 2.53x1.78x0.85 inches
Weight	95g
Case Material	Plastic resin (flammability to UL 94V-0)

Model

►eAPCN Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eAPCN-5S	90~264	5	3000	78
eAPCN-12S	90~264	12	1250	82
eAPCN-15S	90~264	15	1000	81
eAPCN-24S	90~264	24	625	82

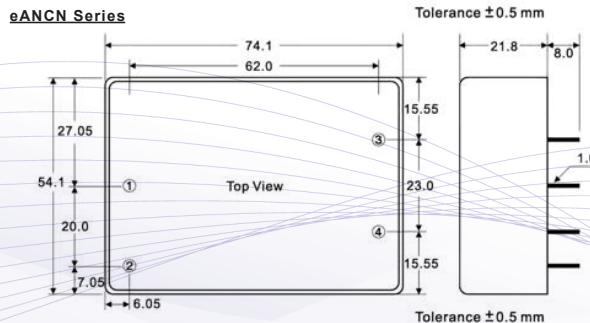
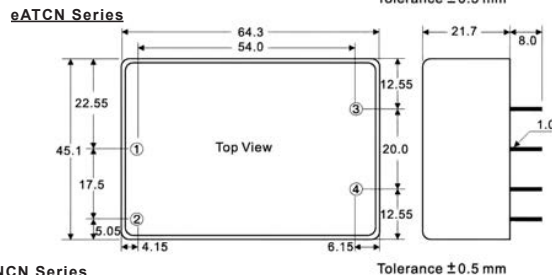
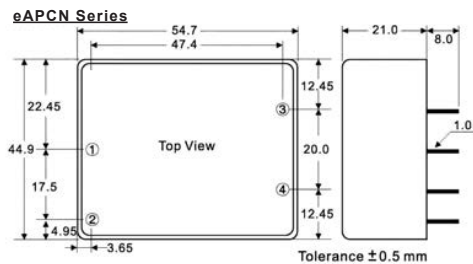
►eATCN Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eATCN-5S	90~264	5	3000	78
eATCN-12S	90~264	12	1250	82
eATCN-15S	90~264	15	1000	81
eATCN-24S	90~264	24	625	82

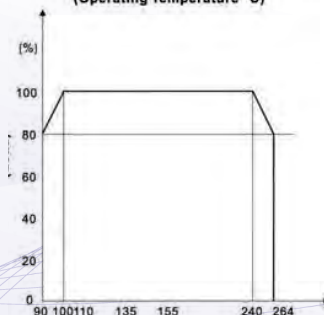
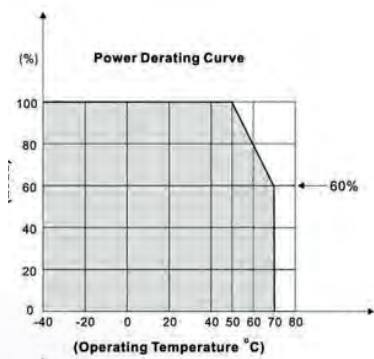
►eANCN Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eANCN-5S	90~264	5	3000	78
eANCN-12S	90~264	12	1250	82
eANCN-15S	90~264	15	1000	81
eANCN-24S	90~264	24	625	82

Outline Dimensions & Pin Connections



Derating



- Pin #
- ① Single AC IN (N)
 - ② AC IN (L)
 - ③ - DC OUT
 - ④ +DC OUT