

## High Power PoE Injector

OUTPUT	+50V
Max. Load	0.7A
Power	35W Max
Min. Load	0.1A
Load reg. %	2%
Line reg. %	1%
Ripple %	1%
Noise %	2%

- TOTAL POWER: 35 W
- Note 1: Ripple and noise bandwidth is from DC to 20Mhz. Terminated with a 47uF capacitor and 0.1uf MPE capacitor of proper polarity.

### 1 Input

1.1 Input voltage: AC 90V ~ 264V @ 120V/230V  
 1.2 Input current: 0.60A at 120Vac @ full load  
 0.35A at 230Vac

### 2 Output

2.1 Output voltage and current:

**3. EFFICIENCY : 80% min. at AC input @F.L**

### 4. PROTECTION :

4.1 Short Circuit Protection:  
 Output short GND Terminal will not damage the Power Supply and will autorecover when load status returns to normal.

4.2 Over voltage protection: Trigger point: HZK63 zener diode

4.3 Input has fuse protection

### 5. LEDs :

5.1 RED LED Include Power Over Ethernet – OK

5.2 GREEN LED include Power over Ethernet - OK

### 5.3 RJ-45 Connector & Pinout

Pin	RJ-45 Input (Data Only)		RJ-45 Output (Data & Power)	
	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data Receive
2	Rx-	Data Receive	Rx	Data Receive
3	Tx+	Data Transmit	Tx+	Data Transmit
4	NC	Not Connected	-Vdc_return(+)	Power Feed(+)
5	NC	Not Connected	-Vdc_return(+)	Power Feed(+)
6	Tx-	Data Transmit	Tx-	Data Transmit
7	NC	Not Connected	-Vdc	Power Feed(-)
8	NC	Not Connected	-Vdc	Power Feed(-)

Note : Pins 7 and 8 (-Vdc) must not be shorted to ground.

## 6. GENERAL DESCRIPTION :

6.1 Operating temperature:	-15 - +60 Degrees
6.2 Storage temperature:	-40 - +80 Degrees
6.3 Operating humidity:	5% - 90%
6.4 Cooling:	Free air cooling
6.5 Size:	140 x 75 x 40 (LxWxH mm)
6.6 Plastic Material:	PC

## 7. OTHER : All materials meet RoHS directive

