

## PS-M05S05-057 (S) (Single Output 5 Watt)

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### DESCRIPTION :

This DC/AC Inverter is developed for alternative Backlight Inverter to Endicot ERG. The Inverter has PCB mounting pins. The nominal input voltage is 5 VDC regulated.

### Applicable LCD :

Displays:	Sharp: LQ057Q3DC12
Starting Voltage:	min. 1.350 Vrms
Lamp Current:	typ. 1 x 5 mArms (per lamp)

### FEATURES :

Efficiency	min. 75%
PCB mounting:	Pin diameter 1,62 mm
Low noise:	With voltage resonant circuit
Wide Input Voltage:	5 VDC, must be regulated
RoHS:	RoHS compliant (S)

### TEMPERATURE & HUMIDITY :

Operating Temperature Range	0° ~ +60° C
Storage Temperature Range	-40° ~ + 85° C
Humidity	95 %RH max

Note: \* This inverter is usable for this display but the output current is not correct. The life time for the CCFL lamp is shorter.

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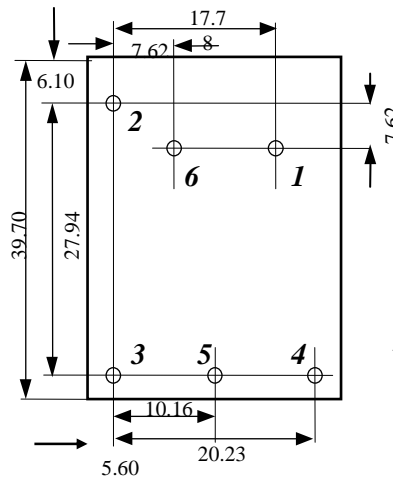
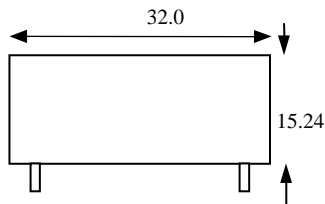
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## PS-M05S05-057(S) (Single Output 5 Watt)

Dimension:



Bottom View

PCB mounting pins 0.64 square  
All dimensions in mm

Pinning:

Pin Designation Table	
Pin Number	Function
1	Input Positive
2	Input Negative
3	Output Common
4	Output 1
5	N.C.
6	N.C.

Rating:

Rating	Minimum	Typical	Maximum	Units
Operating Temperature Range	0	25	60	°C
Storage Temperature Range	-20	25	85	°C
Input Voltage Range	4.5	5.0	5.5	Vdc
Input Current	-	1.2	-	Adc
Operating Frequency	27	32	37	kHz
Lamp Starting Voltage at 0°C	-	1350	-	Vrms
Lamp Voltage	-	690	-	Vrms
Efficiency	-	79	-	%
Output Current (Each Lamp)	4.0	5.0	6.0	mArms
Dimminh Duty Cycle	10:1	-	1:1	Ration
Duty Cycle Input Voltage Range	-	-	-	Vdc
Duty Cycle Frequency	-	-	-	Hz

Note: Pin 5 and Pin 6 are not assembled.

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