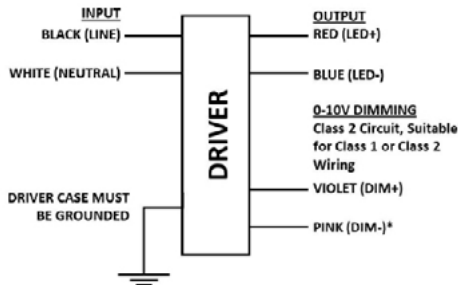


## Electrical Specifications

Max Output Power (W)	Output Voltage (V)	Output Current (A)	Operating Temp. Range (°F/°C)	Input Current (A)	Max. Input Power (W)	Inrush Current (Apk/μs)	Max. THD (%)	Min. Power Factor	Surge Protection (KV)	Weight (Lbs)	Envir. Protection Rating	Driver Type
100	24.0 Class 2 Output	0.10~4.16	85°C	0.95 @ 120V 0.40 @ 277V	117	100/200	20	0.9	3.0	2.8/1270	UL Dry & Damp	Constant Voltage

### Wiring Diagram



Input, Output and 0-10V Dimming use lead-wires. Lead-wires are 18AWG 105C/600V solid copper

### Standard Lead Length

	in.	cm.
Black	9	22
White	9	22
Blue	9	22
Red	9	22
Gray	9	22
Violet	9	22

### Maximum Wiring Distance (at full load)

Wire Size (AWG)	Distance (feet)
26	3
24	4
22	7
20	11
18	18
16	29
14	46
12	71
10	120

Dimming Method	Dimming Range (%)	Min. Output Voltage (V)	Min. Output Power (W)
0-10V	100% ~ 25%	15.0~24.0	60.0

### Enclosure



	in. (mm)
Case Length	8.38 (211.1)
Case Width	2.35 (59.1)
Case Height	1.47 (37.1)
Mounting Length	9.0 (226.2)
Mounting Width	1.7 (42.9)
Overall Length	9.54 (240.5)

#### WARNING:

- Install in accordance with national and local electrical codes.
- The field-wiring leads or push-in terminals shall be fully enclosed.

Revised 01162012

# Xitanium LEDINTA0024V41DLO

100W 24V 4.1A 0-10V Dim

<b>LEDINTA0024V41DLO</b>	
Brand Name	XITANIUM
Description	100W 24V 4.1A 0-10V Dim
Input Voltage	120~277V
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

## Installation & Application Notes:

### Section I – Physical Characteristics

- 1.1 LED Driver shall be installed inside an electrical enclosure.
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher.

### Section II – Performance

- 2.1 LED Driver is UL Class 2 power unit as per UL1310. It is also listed in the UL Sign Accessory Manual (UL SAM).
- 2.2 LED Driver has Class A sound rating.
- 2.3 LED Driver has a minimum operating ambient temperature of -40°C.
- 2.4 LED Driver has a life expectancy of 50,000 hours at Tcase of ≤ 75°C.
- 2.5 LED Driver has a life expectancy of 100,000 hours at Tcase of ≤ 65°C.
- 2.6 LED Driver has a typical self rise of 25°C at maximum load in open air without heat sink.
- 2.7 LED Driver is certified by UL for use in a dry or damp location (Outdoor Type I).
- 2.8 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
- 2.9 LED Driver maximum allowable case temperature is 85°C – see product label for measurement location.
- 2.10 LED Driver reduces output power to LEDs if maximum allowable case temperature is exceeded.
- 2.11 LED Driver complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A).
- 2.12 The dimming lead leakage current is 0.01mA. The maximum number of drivers that can be connected in parallel to one dimming control circuit is based on this dimming lead leakage current and the calculation is described in the corresponding Design-in Guide.

### Section III – UL Conditions of Acceptability (File E220165)

When installed in the end product, consideration shall be given to the following:

- 3.1 These LED Drivers have been evaluated to comply with Class 2 output criteria.
- 3.2 These LED Drivers are only suitable for use in Dry and Damp locations.
- 3.3 These products are rated as follows:

Model	Input, 60 Hz.			OUTPUT V@Amperes DC
	Volt/V	Amp/A	Power/W	
LEDINTA0024V41DLO	120-277	0.95-0.40	100	24V@4.1 (*)
LEDINTA0024V41FLO	120-277	0.95-0.40	100	24V@4.1 (*)
LEDINTA0024V41FO	120-277	0.95-0.40	100	24V@4.1 (*)
LEDINTA0024V30FLO	120-277	0.72-0.32	72	24@3.0 (**)
LEDINTA0024V30DLO	120-277	0.72-0.32	72	24@3.0 (**)
LEDINTA0024V20FLO	120-277	0.48-0.22	48	24@2.0 (***)
LEDINTA0024V20DLO	120-277	0.48-0.22	48	24@2.0 (***)
LEDINTA0024V32FO	120-277	0.75-0.35	77	24@3.2 (+)
LEDINTA0024V22FO	120-277	0.50-0.25	53	24@2.2 (++)

- (\*) - For connection to LED array consisting of 100 Watt maximum.
- (\*\*) - For connection to LED array consisting of 72 Watt maximum.
- (\*\*\*) - For connection to LED array consisting of 48 Watt maximum.
- (+) - For connection to LED array consisting of 77 Watt maximum.
- (++) - For connection to LED array consisting of 53 Watt maximum.

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- 3.4 In the end product, power supply spacing to other heat producing components shall be minimum 4 inches spacing to sidewalls, and minimum 2 inches spacing to top of enclosure and mounted not closer than 1 in. end to end or 4 in. side to side from adjacent LED power supplies.
- 3.5 The units were submitted and tested for a maximum manufacturer's recommended Tc point described in the table below. If adjacent LED power supplies are spaced close than 1 in. end to end or 4 in. side to side, a temperature test shall be conducted in the end use product.

<b>Model No.</b>	<b>Input Voltage, Hz</b>	<b>Max. Case @ Tc, °C</b>	<b>Ambient, °C (Reference only)*</b>
LEDINTA0024V41DLO	120-277,60	85	61.5/63.2
LEDINTA0024V41FO	120-277,60	90	56.6/59
LEDINTA0024V41FLO	120-277,60	85	61.5/63.2
LEDINTA0024V30DLO	120-277,60	85	61.5/63.2
LEDINTA0024V30FLO	120-277,60	85	61.5/63.2
LEDINTA0024V20DLO	120-277,60	85	61.5/63.2
LEDINTA0024V20FLO	120-277,60	85	61.5/63.2
LEDINTA0024V32FO	120-277,60	90	56.6/59
LEDINTA0024V22FO	120-277,60	90	56.6/59

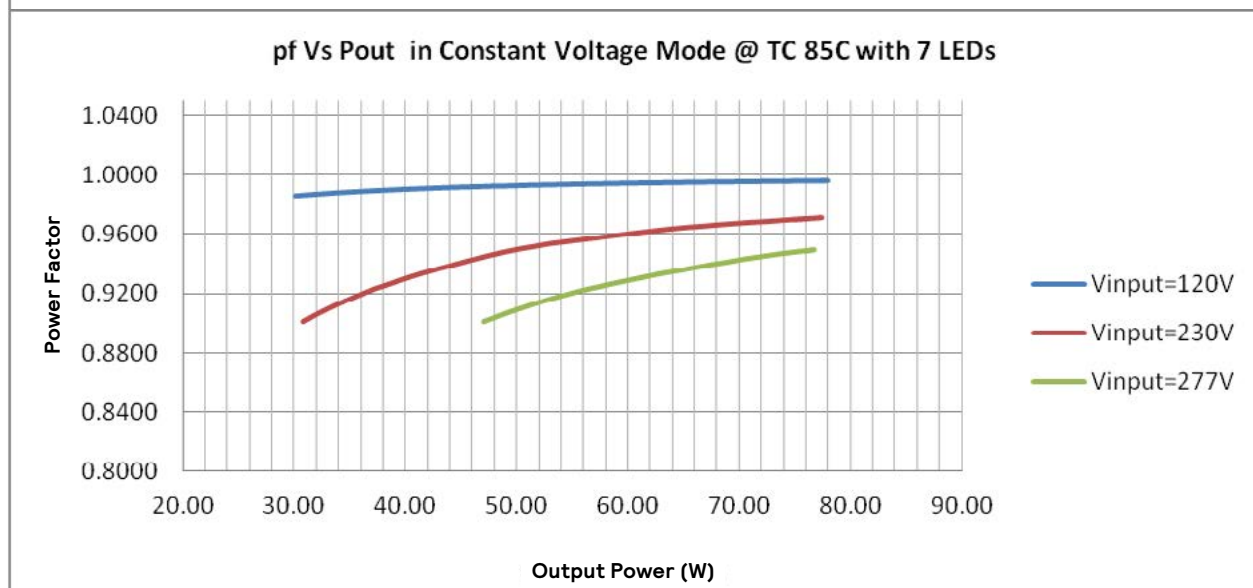
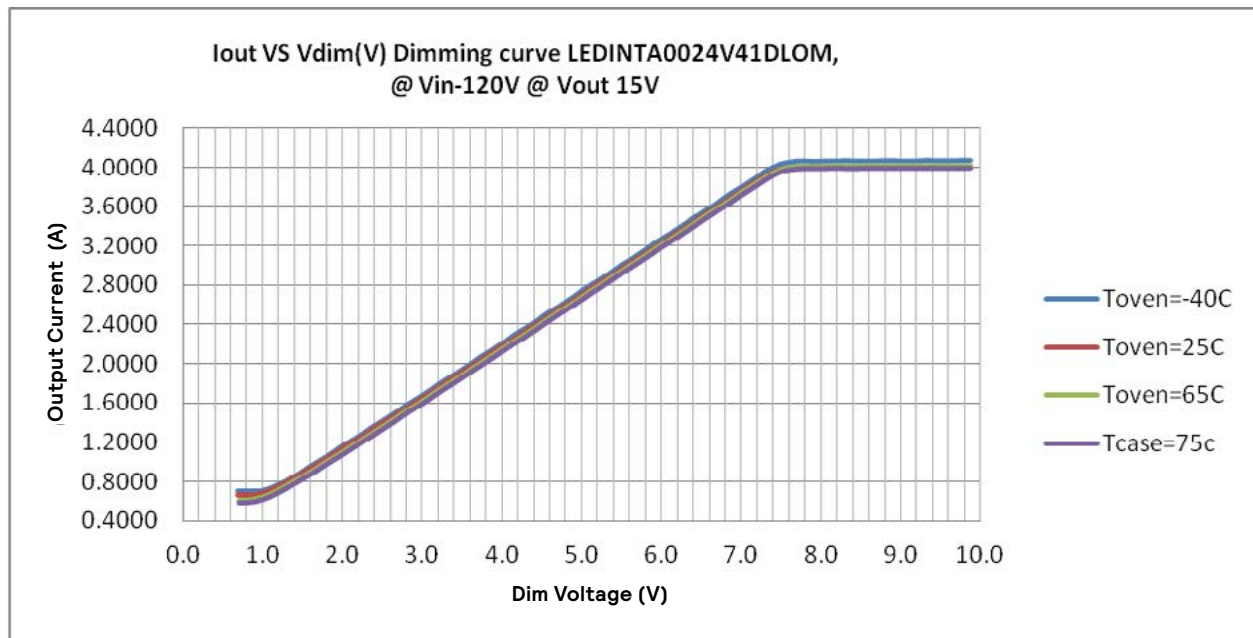
\* - 120V/ 277V

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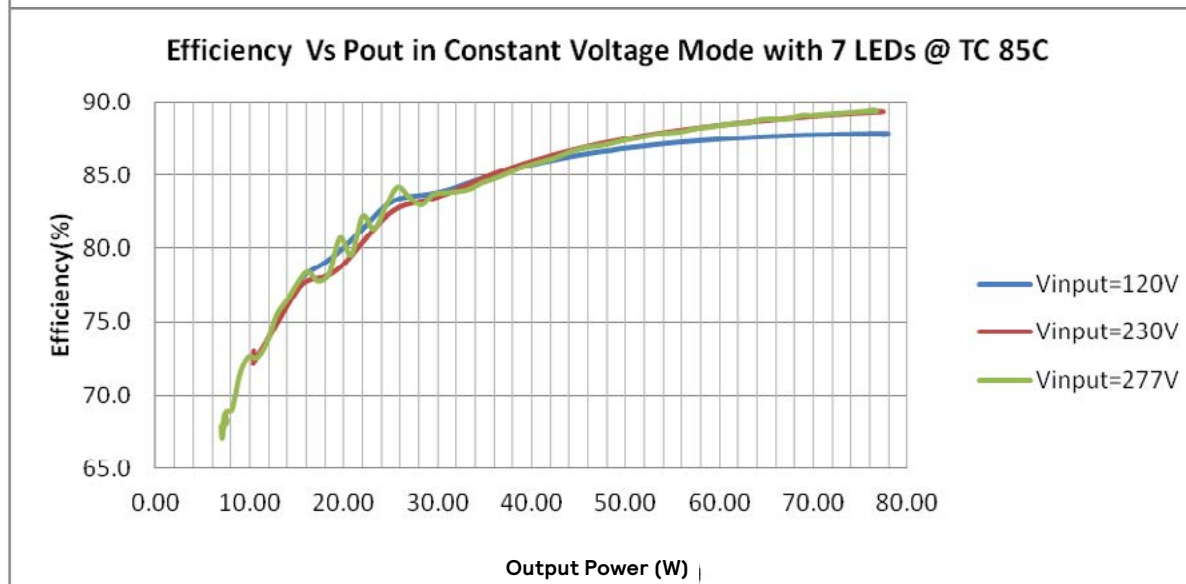
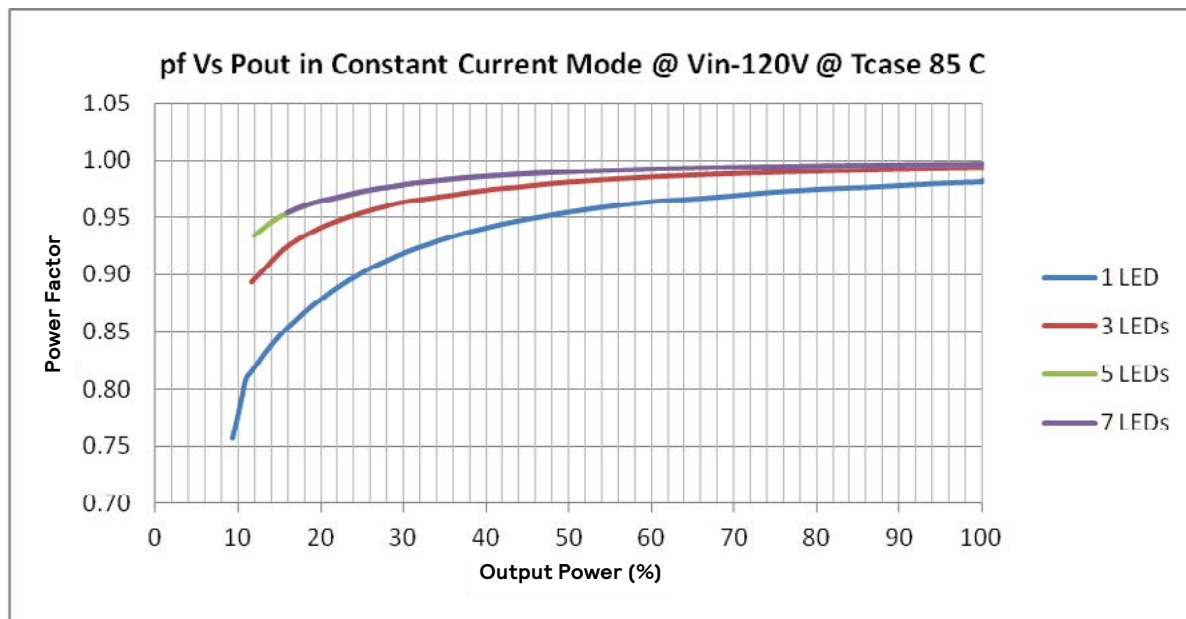


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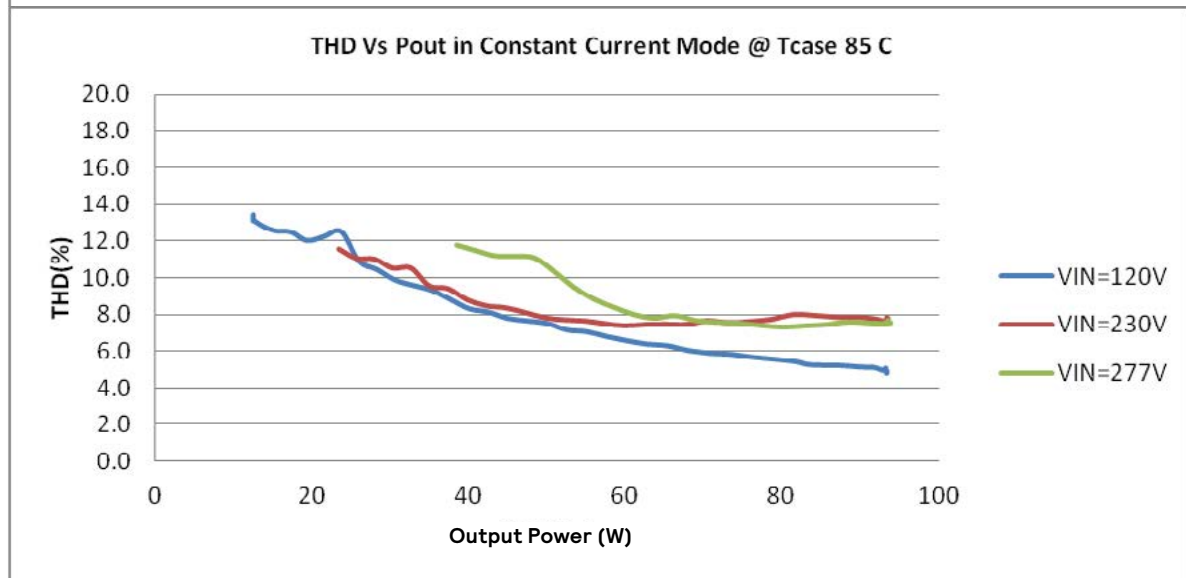
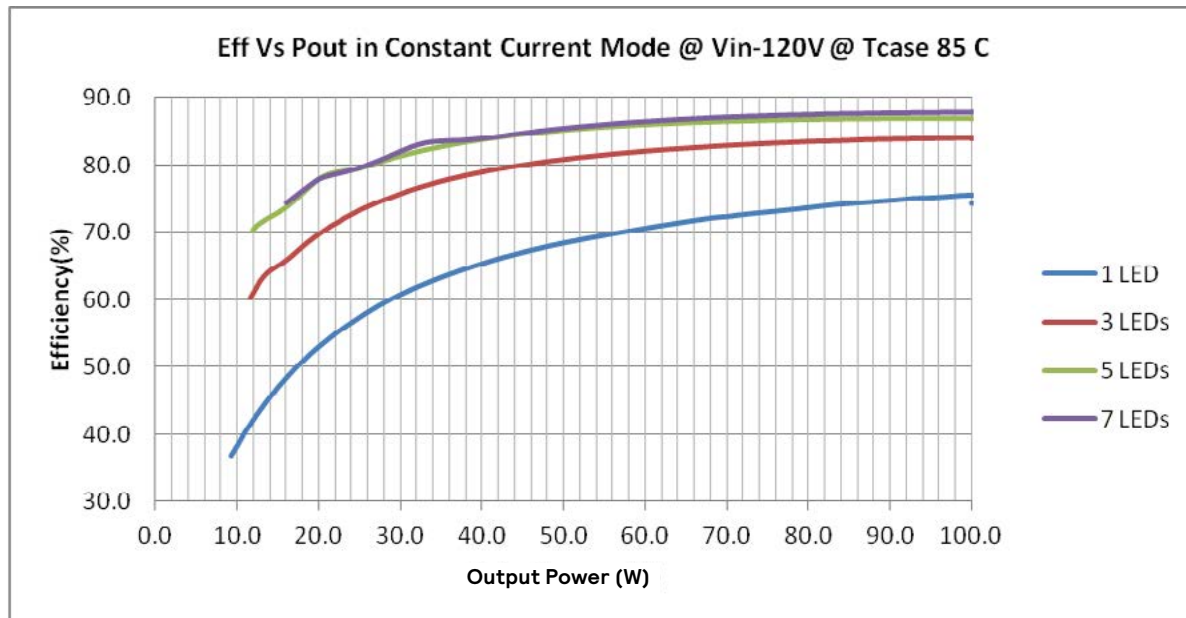


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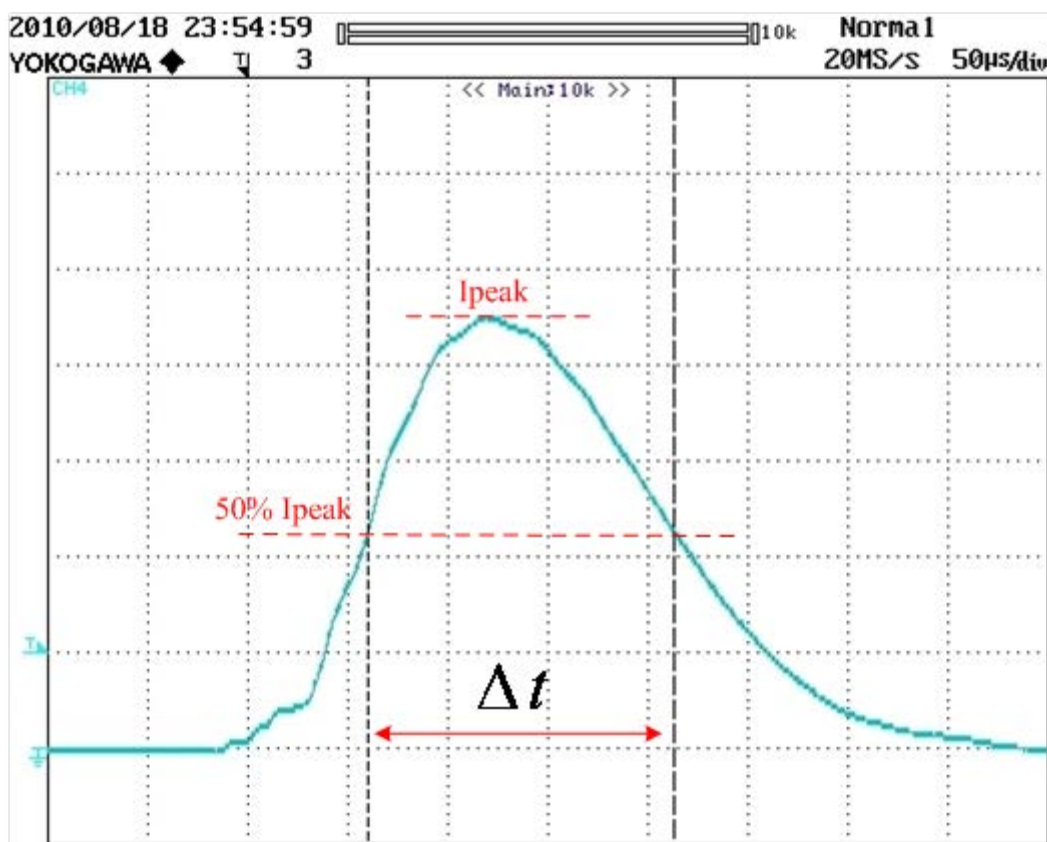
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Input Frequency	50/60Hz
RoHS	Yes
Status	Active

## Inrush Current Info:



Test Voltage	$I_{peak}$ [A]	50% $I_{peak}$ [A]	$\Delta t$ [uSec]
120	45	22.5	155
240	90	45	155
277	100	50	155

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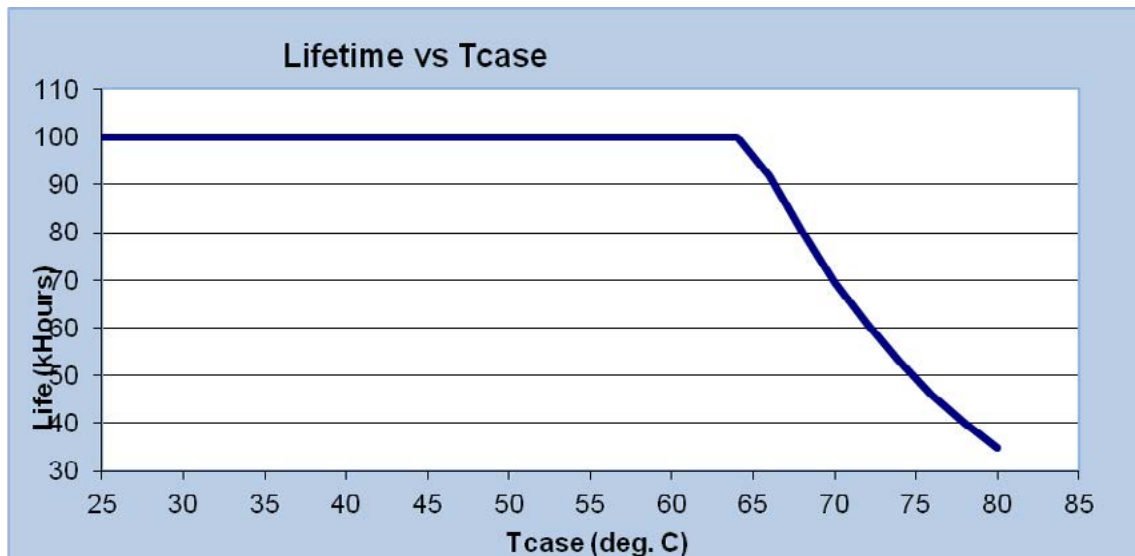
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## Life Time and Failure Rate Info:

1. <0.01% per 1kHr @Tcase≤ 80°C



## Revision History:

Rev No.	Date	Description	Approval	Remarks
1.1	11/17/2011	*Remove graph "Failure rate vs. Tcase"	N.T.	
1.2	01/16/2012	* Add Envir. Protection Rating	N.T.	
1.2	03/02/2012	*Modify Part #(Remove Dashes)	N.T.	

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