

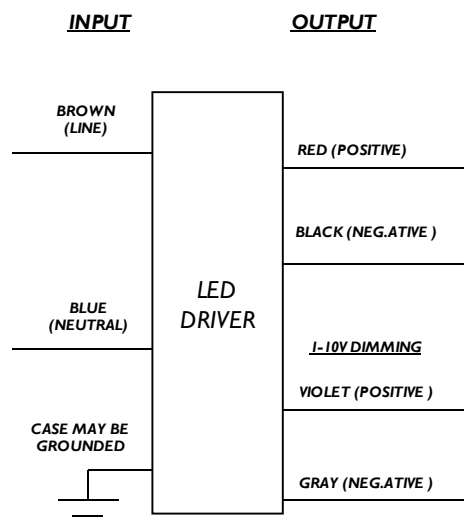
9137 012 18202M

Electrical Specifications

Brand Name	XITANIUM
Description	Xitanium 150W .35A I-10V sXt
Input Voltage	220~240
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

Output Power (W)	Output Voltage (V)	Output Current (A)	Efficiency @ Max Load	Tcase max	Input Current at 240V (A)	Max. Input Power (W)	Inrush Current (A _{pk} /50%-μs)	Max. THD (%)	Power Factor @ Max Load	Surge Protection Common/Di ff (KV)	Weight (lbs/grams)	IP Rating
150	120~425	0.35	>92%	80°C	0.69	165	130/165	20	>0.98	3/3	2.8/1270	IP66

Wire Diagram



Input and output use lead- wires.
Lead-wires are 18AWG 105C/600V solid copper.

Standard Lead Length is 280mm+/-10mm on all wires outside the can

Dimming Method	Dimming Range (%)	Min. Output Power(W)	Dimming Source Current
I-10V Isolated	10% ~ 100%	42	150uA

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)



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Product Data

Order code	Add M to the end of the below numbers
Full product code	913701218202M 150W .35A 1-10V Dim
Full product name	LED Xitanium EU 220-240V 150W .35A 425V 1-10V Dim
Net weight per piece	1.27 KG / 2.8 lbs
Interface	1-10V Dimming
Ambient Temp Range	-40C to +55C
Corresponding TC	-15C to +80C
Line Voltage	220-240V
Line Current	0.69A
Line Frequency	50/60Hz
IP Classification	66
Life @ Tcase 67C	80000 hr [nom] refer to graph below
Life @ Tcase 75C	50000 hr [nom] refer to graph below
Suitable for Outdoor use?	Yes
Max TC	80C
Inrush current Width	130 A @ 230V Line @ 165uS Width @50% height, see graph
Maximum ballast number on MCB 16A	TBD [max]
LED Current Tolerance	-5%/+5%
Earth leakage current	0.7 mA [max]
Mains voltage safety (AC)	-27%/+10%
Mains voltage performance (AC)	-10%/+10%
Min. Mains voltage operational	180 V [min]
Output peak voltage	300 V [max]
Output Current ripple	25% @700 mA (ripple = pk-pk/avg)
THD total	< 20%
THD 3rd Harmonic	< 15%
PF @ Max Load	>0.95
Wire Isolation	All wires are Double isolated

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 has an operating ambient temperature range of -40°C to 55°C.**
- 2.2 LED Driver has a maximum life expectancy of 50,000 hours at Tcase of $\leq 75^{\circ}\text{C}$.**
- 2.3 LED Driver has a maximum life expectancy of 100,000 hours at Tcase of $\leq 63^{\circ}\text{C}$.**
- 2.4 LED Driver has a maximum self rise of 25°C in open air without heat sink.**
- 2.5 LED Driver maximum allowable case temperature is 80°C – see product label for measurement location**
- 2.6 LED Driver reduces output power to LEDs if its case temperature exceeds 80°C.**
- 2.7 LED Driver has a failure rate $\leq 0.01\%$ per 1,000 hours at Tcase $\leq 70^{\circ}\text{C}$.**
- 2.8 LED Driver has a failure rate of 0.01% - 0.02% per 1,000 hours at Tcase of 70°C - 80°C.**
- 2.9 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.**
- 2.10 LED Driver complies with the requirements of CE, ENEC and CISPR 15 Ed 7.2.**

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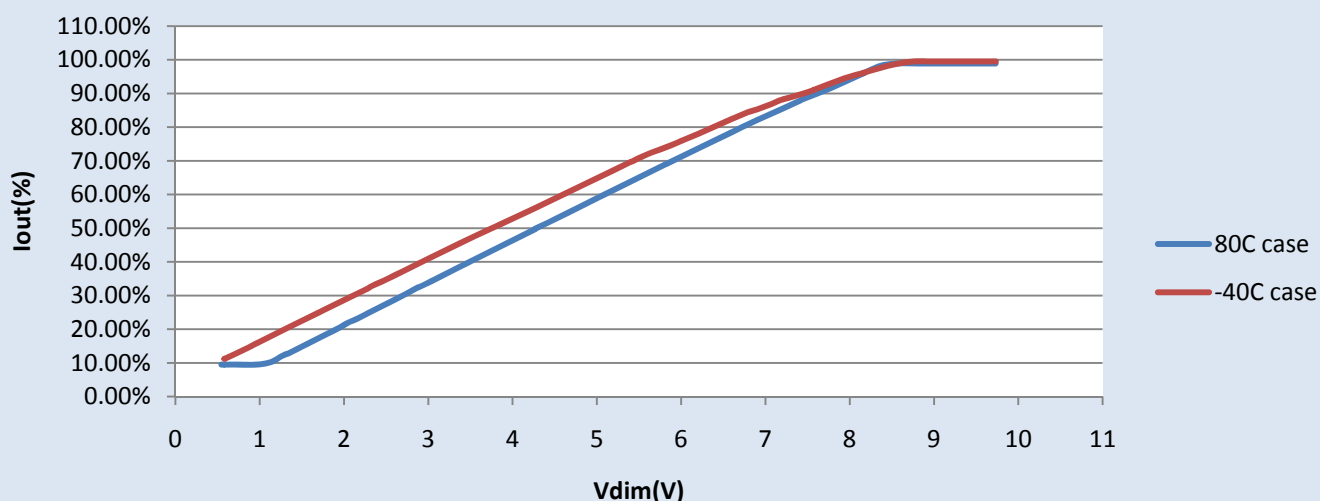
Input Frequency 50/60Hz

RoHS Yes

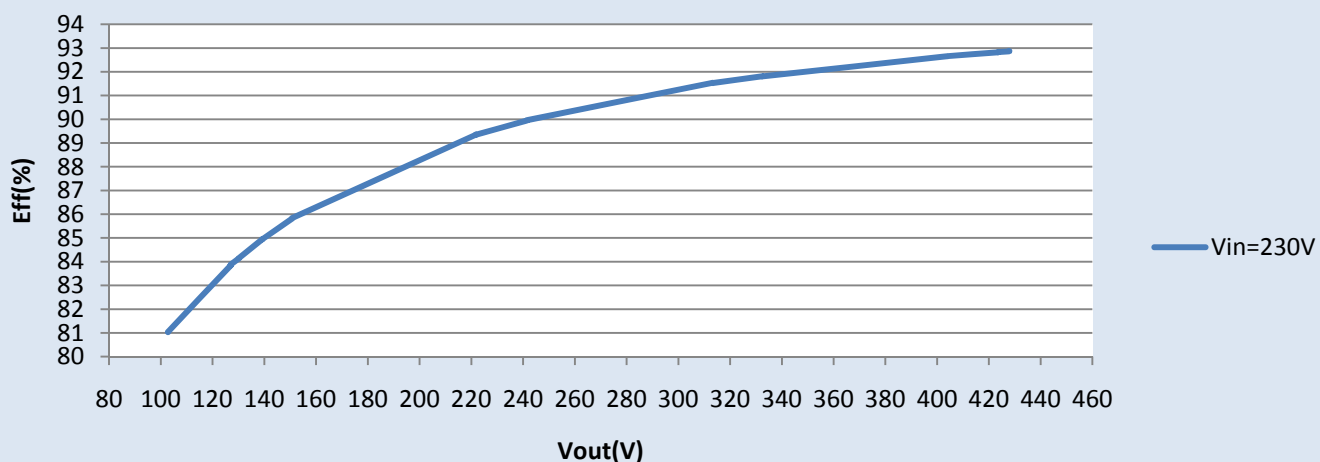
Status Active

Electrical Specifications

Iout(%) vs Vdim (V)



Eff Vs Vout at 80C case



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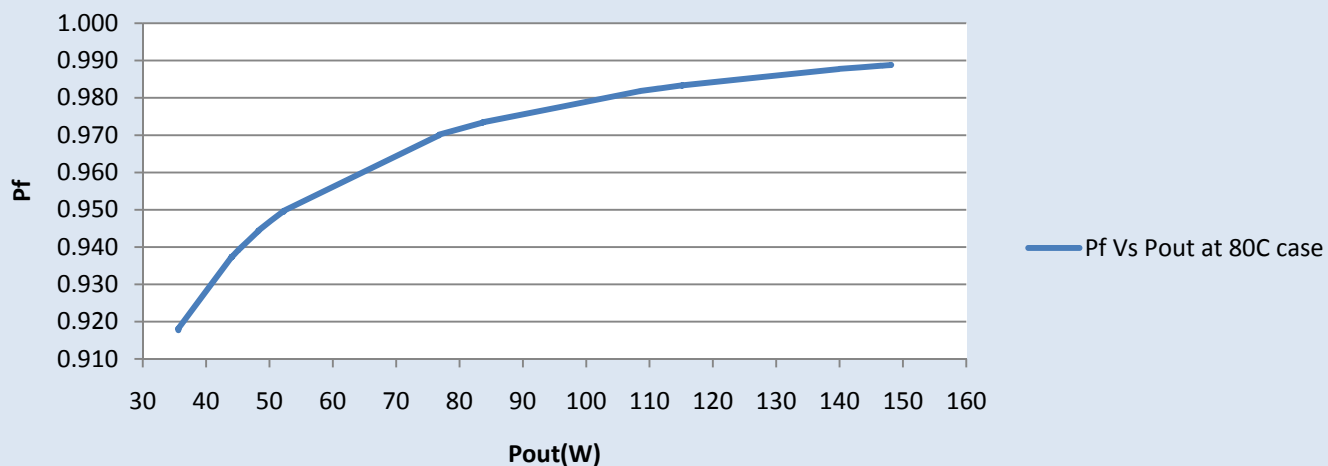
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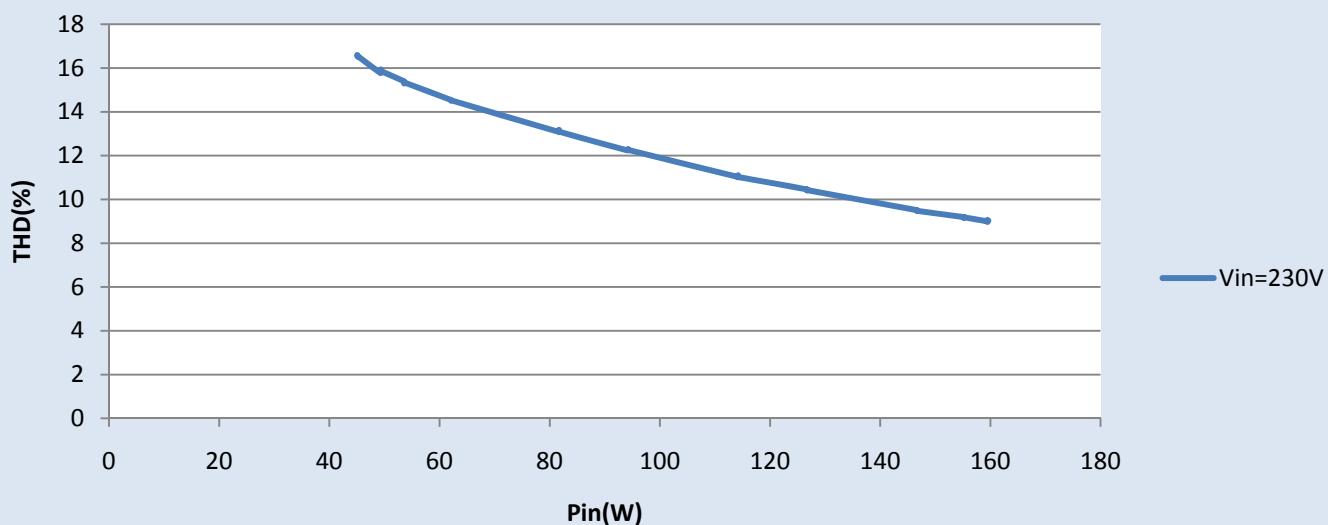
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Pf Vs Pout at 80C case



THD Vs Pin at 80C case



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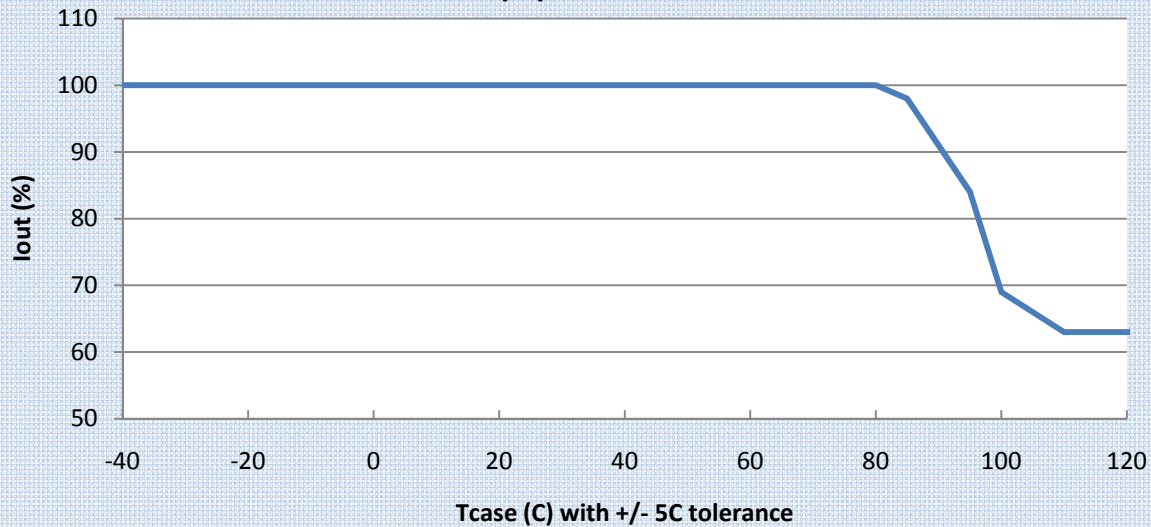
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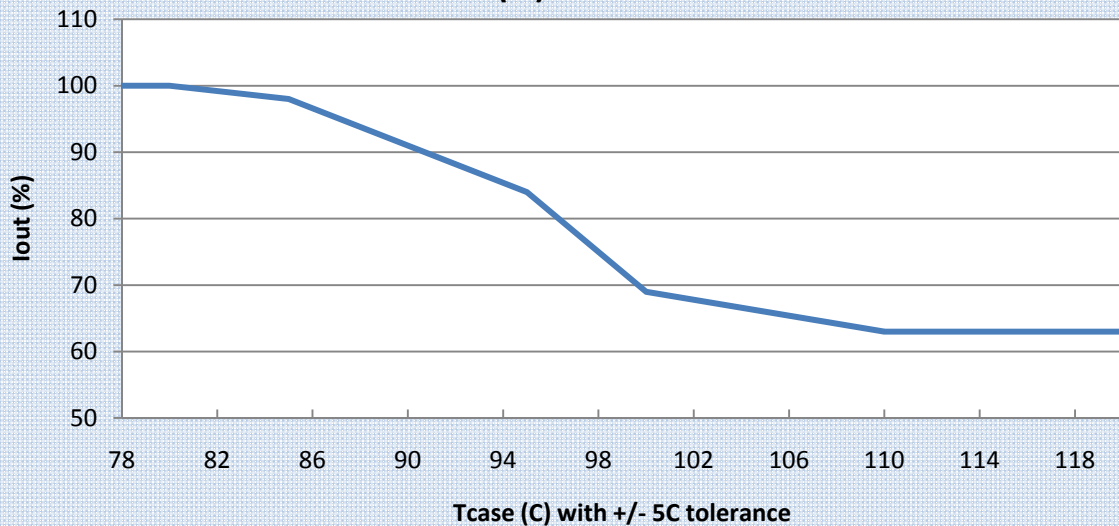
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Iout (%) VS Tcase



Iout (%) VS Tcase



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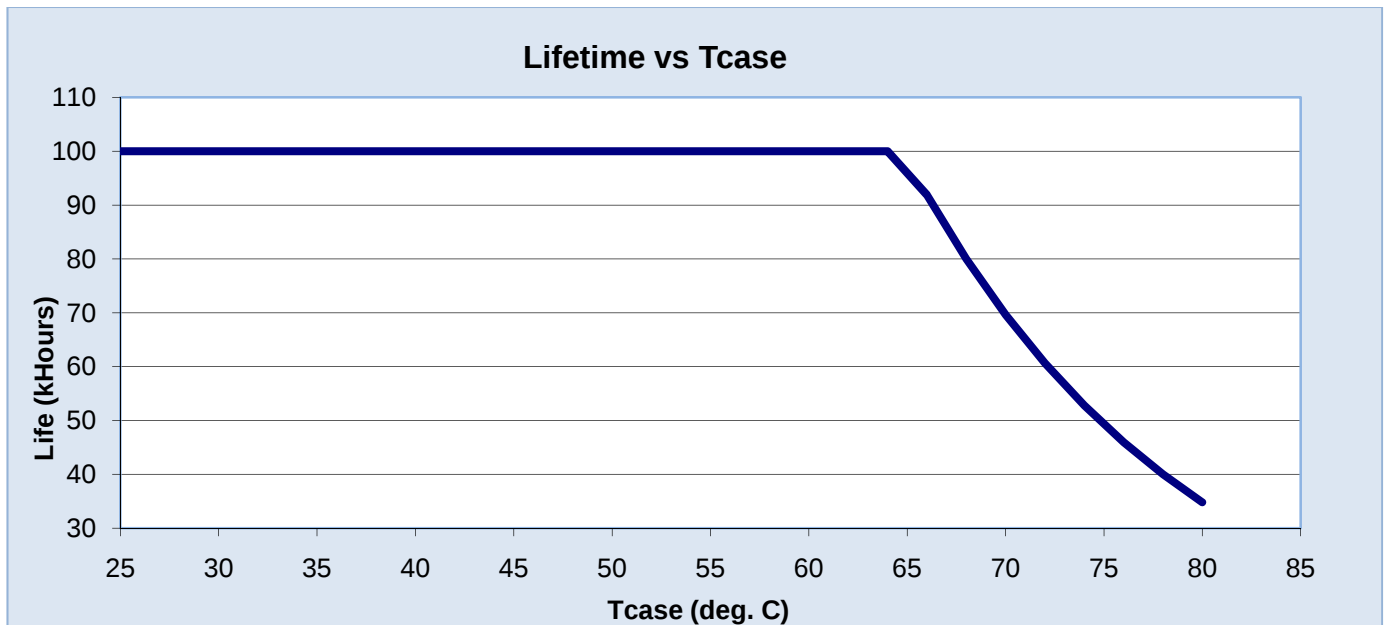
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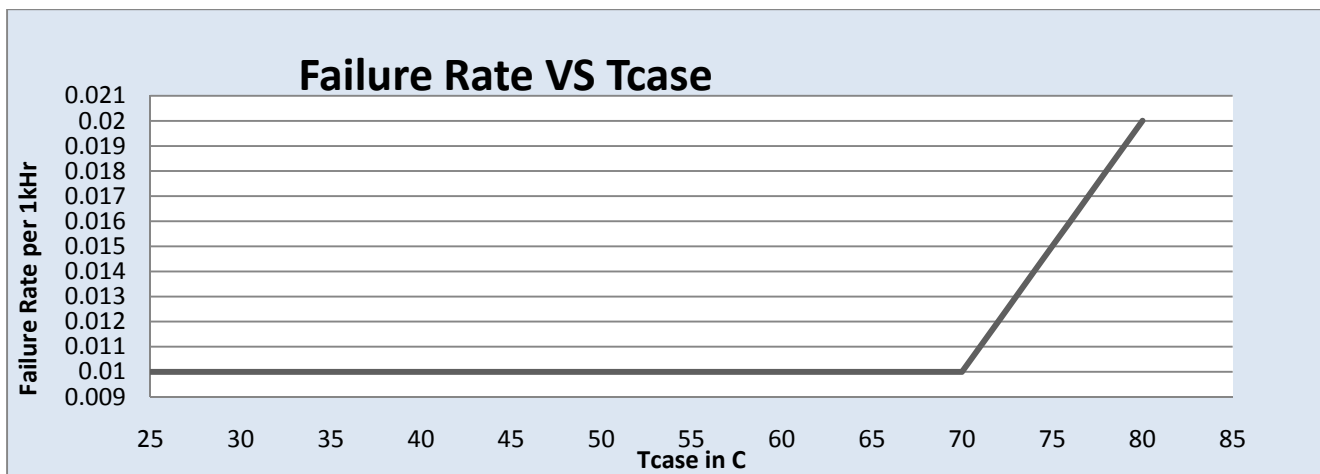
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Failure Rate Info:

1. <0.01% per 1kHr @ $T_{case} \leq 70^{\circ}\text{C}$
2. <0.02% per 1kHr @ T_{case} between 70°C and 80°C .



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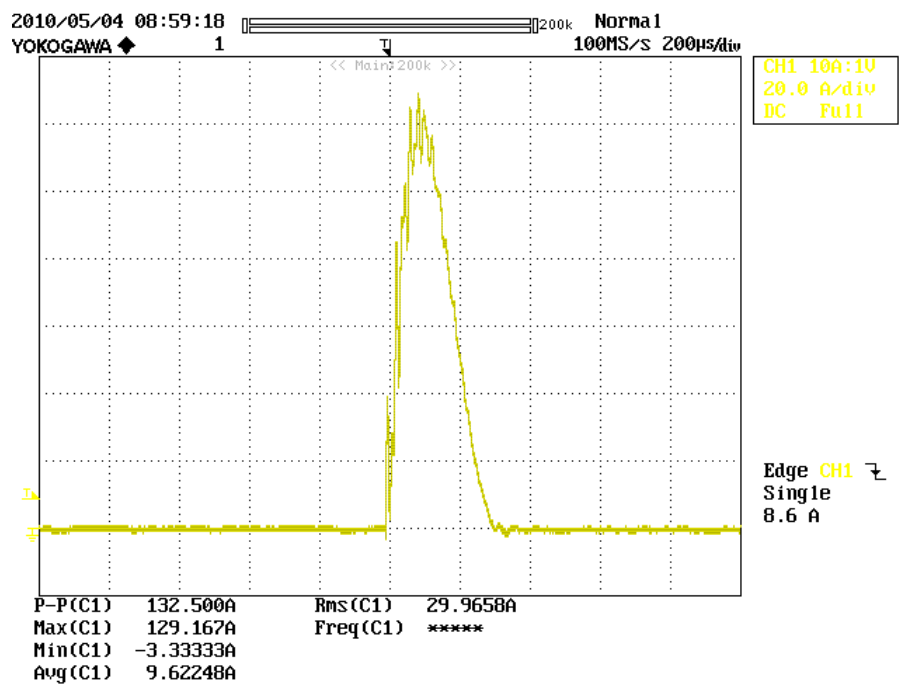
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Inrush Current Info:



Ipeak	130 A
50% Width	165µS

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