Texas Instruments

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Analog Motor Drives

DRV8825 on Dual Layer Board - Heat Sink Comparison

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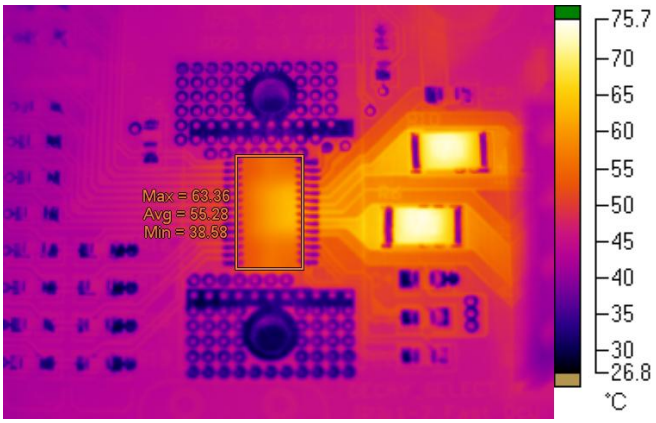
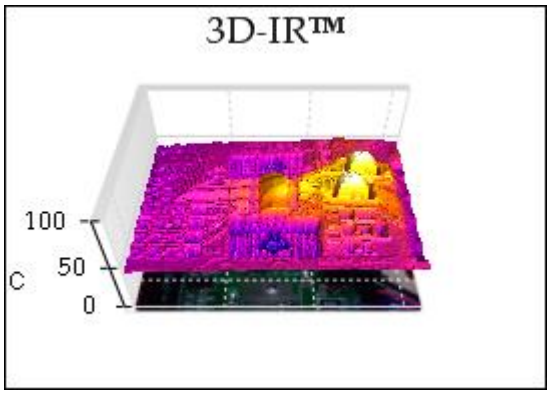


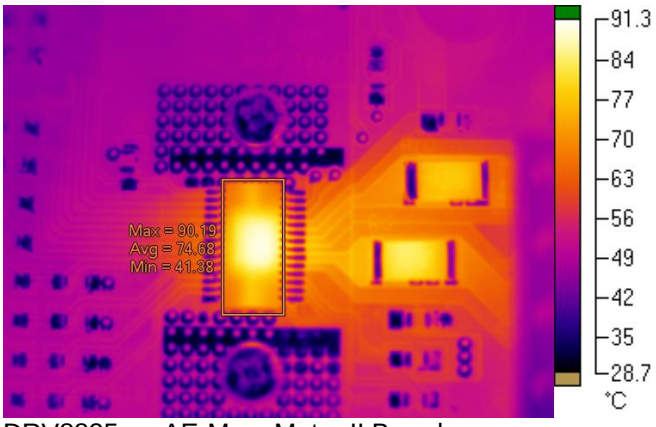


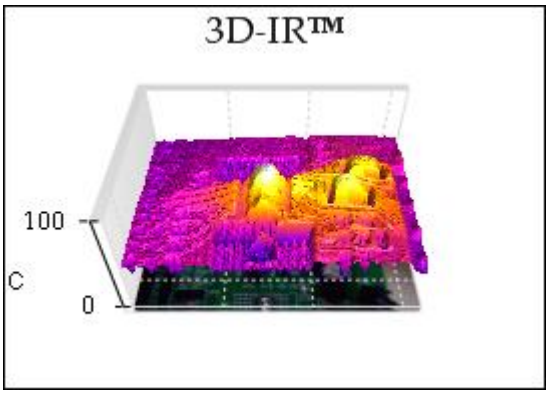
Graph

DRV8825 on AE-MegaMotor II Board
2.5A Sine Wave Peak
Dean Gouramanis Heat Sink (bottom interface peg and airfoil)
2000 SPS, Mixed Decay, 32 Microstepping

Main Image Markers

Name	Avg	Min	Max	Emissivity	St. Dev.
A0	55.28°C	38.58°C	63.36°C	0.92	4.57



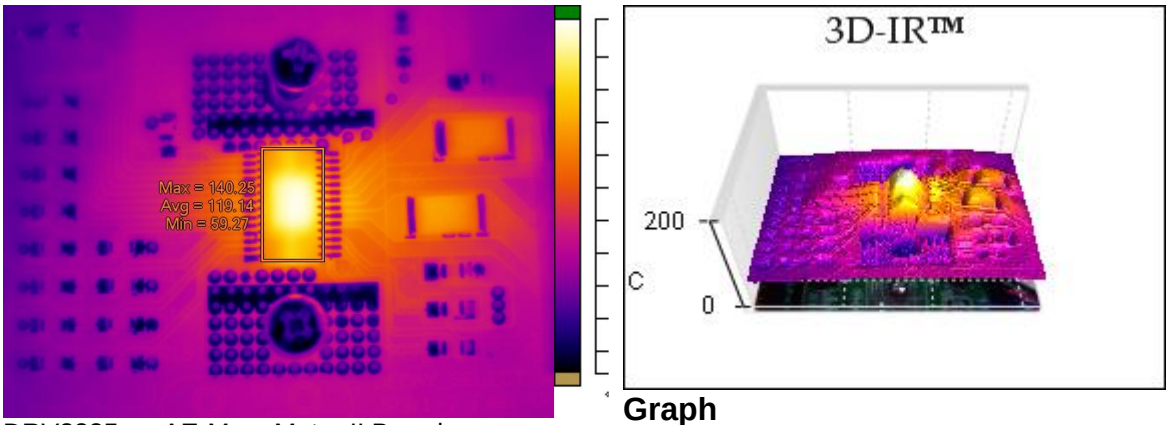


Graph

DRV8825 on AE-MegaMotor II Board
2.5A Sine Wave Peak
CNC Milled Aluminum Heat Sink
2000 SPS, Mixed Decay, 32 Microstepping

Main Image Markers

Name	Avg	Min	Max	Emissivity	St. Dev.
A0	74.68°C	41.38°C	90.19°C	0.92	9.70



Graph

DRV8825 on AE-MegaMotor II Board
2.5A Sine Wave Peak
No Heat Sink
2000 SPS, Mixed Decay, 32 Microstepping

Main Image Markers

Name	Avg	Min	Max	Emissivity	St. Dev.
A0	119.14°C	59.27°C	140.25°C	0.92	13.58