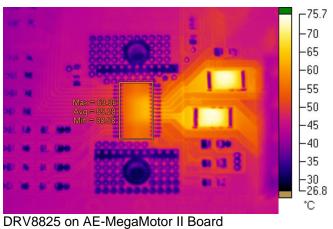
Texas Instruments

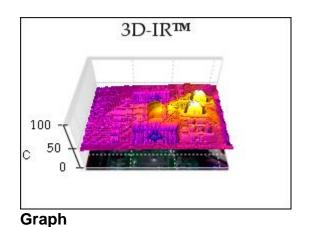
Jose I Quinones Applications Engineer Analog Motor Drives

DRV8825 on Dual Layer Board - Heat Sink Comparison

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DRV8825_AE-MegaMotorII_2p5A_32MS_2000SPS_Mixed_DeanHS.IS2	3
DRV8825_AE-MegaMotorII_2p5A_32MS_2000SPS_Mixed_AEHS.IS2	3
DRV8825_AF-MegaMotorII_2p5A_32MS_2000SPS_Mixed_NOHS IS2	2





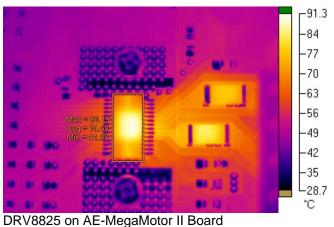
DRV8825 on AE-MegaMotor II Board 2.5A Sine Wave Peak Dean Gouramanis Heat Sink (bottom

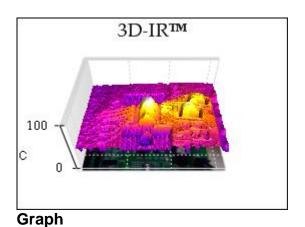
Dean Gouramanis Heat Sink (bottom interface peg and airfoil)

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



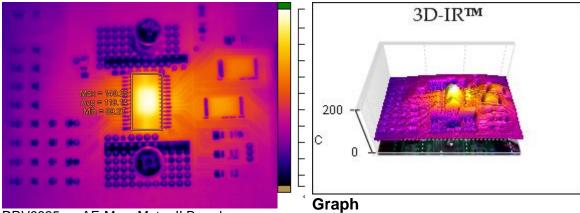


2.5A Sine Wave Peak
CNC Milled Aluminum Heat Sink
2000 SPS, Mixed Decay, 32 Microstepping

Main Image Markers

Name	Avg	Min	Max	Emissivi	St.
				ty	Dev
A0	74.68°C	41.38°	90.19°	0.92	9.7
		С	С		0

3



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

Main Image Markers

	90				
Name	Avg	Min	Max	Emissivity	St. Dev.
A0	119.14°C	59.27°C	140.25°C	0.92	13.58