

Display Model Number 908: With Bonded EMI Mesh Filter and Heater

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (mW/cm ² /sr)
OEM Performance ¹ (No modifications)	600	600	-	-	-	-	-	2.2	N/A	-	-	-	All tests performed at 25° C ambient
OEM Brightness	-	-	-	-	-	-	-	-	118,000	0.198, 0.506	0.02	0.842	
OEM Power	-	-	-	-	-	-	-	-	118,000				
1000 Nits	1020	-	367	2.72	3.72	3.94	3	-	118,000				
50° C Rail Temperature ⁵	-	-	-	-	-	-	-	50° C	118,000				
Tertiary Condition	-	-	-	-	-	-	-	-	118,000				

Display Model Number 908-1: With Antireflective Glass

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)			
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (mW/cm ² /sr)	
OEM Performance ¹ (No modifications)	600	600	-	-	-	-	-	2.2	N/A	-	-	-	All tests performed at 25° C ambient	
OEM Brightness	-	-	-	-	-	-	-	-	118,000	0.198, 0.505	0.02	0.723		
OEM Power	650	-	378	5.84	6.84	5.75	5	-	2.25					118,000
1000 Nits	1000	-	370	8.28	9.28	7.89	5	-	3.17					118,000
50° C Rail Temperature ⁵	3000	-	375	17.87	18.87	17.07	6	50° C	10.52					118,000
Additional Brightness	2000	-	370	11.95	12.95	11.13	6	-	6.16					118,000
Additional Brightness	1500	-	383	9.6	10.6	9.06	5	-	4.59				118,000	

Display Model Number 908-2: No Overlays

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)			
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (mW/cm ² /sr ¹)	
OEM Performance ¹ (No modifications)	600	600	-	-	-	-	-	2.2	N/A	-	-	-	All tests performed at 25° C ambient	
OEM Brightness	650	768	365	5.05	6.05	6.47	5	-	1.6	118,000	0.198, 0.505	0.02		0.723
OEM Power	967	1070	364	6.93	7.93	7.82	5	-	2.42	118,000				
1000 Nits	1000	1130	357	7.19	8.19	8.22	5	-	2.58	118,000				
50° C Rail Temperature ⁵	3000	3240	373	19.64	20.64	19.56	6	50° C	10.35	118,000				
Additional Brightness	2000	2240	364	10.26	11.26	13.89	6	-	4.08	118,000				
Additional Brightness	1500	1720	363	9.6	10.6	10.87	5	-	4.59	118,000				

1 Based on LCD manufacturer's published specifications for OEM configuration

2 Video controller black level and contrast set to 50/50, respectively, for optimal brightness/contrast performance

3 Video controller black level and contrast set to 100/100 (not optimal operating condition)

4 Simulates direct sunlight interaction ONLY

5 May require active and/or passive cooling to prevent LCD from overheating; speak with Application Engineer for consultation