

VERSION	UPDATE DATE	EDITED BY	REVIEWED BY	APPROVED BY
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Item	Unit	Min.	Typ.	Max.	Remark	
Engine Performance	Module size	mm	68 x 45 x 14mm±1.0mm			1. ±1.0mm tolerance in each dimension 2. SOW specification is 71x45x14.5mm
	Module Volume	cc	43±5.0			
	Brightness	lm	6.0	7.0		2W for LED
	Bright Uniformity	%	50%			JBMA Standard
	Color Uniformity (CIE x)				0.04	CIE x(P10~P13) – CIE x(P5)
	Color Uniformity (CIE y)				0.06	CIE y(P10~P13) – CIE y(P5)
	Reference Projection distance from the end surface P.J Lens	mm		400		Reference on 10" image size
	Throw Ratio	ratio		1.89		-Projection Distance/Width of Image, HVGA panel
	Offset	%	100			
	Focus Range	mm	200		2640	It should be on focus at mim. & max. projection distance.
	image Diagonal Size	inch	5		66	
	Focus Stroke	mm		0.7		
	Focus Mechanism		manual			
Non-Operating Temperature	°C	-40		85		

Item	Unit	Min.	Typ.	Max.	Remark	
DMD	Panel Size	inch		0.17"	Corner illumination	
	Resolution	Pixels		HVGA	No. of Pixels : 153,600 (320*480)	
	Aspect Ratio	ratio		3:2		
	Mirror Tilt-half angle	Degrees	11	12	13	
	Axis of Rotation	Degrees	-1	0	1	
	Die Parallelism	mm			0.04	
	Efficiency	%		68		
LED	Red LED Wavelength	nm	615	621	625	Total LED power consumption: 2W
	Green LED Wavelength	nm	525	532	535	
	Blue LED Wavelength	nm	450	456	460	
	Die Size-RED	mm x mm		1		
	Die Size-GREEN	mm x mm		1		
	Die Size-BLUE	mm x mm		1		

Electric Parameter	Color Reproduction	Full 16.7 Million Colors
	Compatible Scanning Frequency	Horizontal (kHz): 31.5 kHz
		Vertical (Hz): 60Hz, 50Hz
	Input Signal Terminal	Mini HDMI (C type)
	Input Signal Format	DVI-D: VGA (640*480, 60Hz)
	Control Interface	I2C
Power Consumption	3.2 ~ 3.6W	