

Title/Subject : 0.17" Pico specification for D5000

	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	mm		418		Reference on 10" image size
	Throw Ratio	ratio		1.89		-Projection Distance/Width of Image, HVGA panel
	Offset	%	100			
	Focus Range	mm	209		2762	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	℃	-40		85	
DMD	Pannel Size	inch		0.17"		Corner illumination
	Resolution	Pixels		HVGA		No. of Pixels : 153,600 (320*480)
	Aspect Ratio	ratio		3:4		
	Mirror Tilt-half angle	Degrees	11	12	13	
	Axis of Rotation	Degrees	-1	0	1	
	Die Parallelism	mm			0.038	
	Efficiency	%		70		
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		1		
	Die Size-GREEN	mm x		1		
Die Size-BLUE	mm x		1			
Electric Parameter	Color Reproduction		Full 16.7 Million Colors			
	Compatible Scanning Frequency		Horizontal (kHz): 31.5 kHz			
			Vertical (Hz): 60Hz			
	Input Signal Terminal		Mini HDMI (C type): 19 pin (A type pin assignment)			
	Input Signal Format		DVI-D: VGA (640*480, 60Hz)			
	Control Interface		I2C			
Power Consumption		3.2 ~ 3.6W				