

56° ODIN WAVEGUIDE SPECIFICATION SHEET



OVERVIEW

Parameter	Typical	Unit	Comment
Field of View	56° (48.8 x 26.6)	Degrees (hor. x vert.)	Diagonal (top injected)
LED centre wavelengths & bandwidth (FWHM)	R: 624 (15) G: 522 (34) B: 460 (26)	nm	
Input pupil diameter	4	mm	
Image focus distance	Infinity		
Nominal eye relief	18	mm	
Eye-box	12 x 7	mm	at 18mm eye relief

DESIGN CHARACTERISTICS

Parameter	Value	Unit	Comment
Efficiency	50	Nits/lumens	
MTF	18	Cycles/degree	≥30% contrast
Transmittance	70+	%	
Contrast	40:1		ANSI white checkerboard

MECHANICAL PROPERTIES

Parameter	Value	Unit	Comment
Dimensions	51 x 50.2	mm	Tolerance +/-0.15mm
Thickness	2.65	mm	
Weight	12	g	Dependent on outline
Shape outline	ODIN outline		Custom design possible

ENVIRONMENTAL MAXIMUM RATINGS

Parameter	Value	Unit	Comment
Thermal cycling	-40 to 70	°C	336hrs
High temp. storage	70	°C	336hrs
Low temp. storage	-40	°C	336hrs
High temp./humidity storage	60/90	°C/%	336hrs
Operating temperature	0-40	°C	



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