

Revision #:

Engr. Spec. #	Importance	Source	Specification (description)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
ES1	1	CN2, CN3	Phillips Royal Blue LED emission	nm	+/-15	455	
ES2	1	CN2,CN3,CN5	Ru(dpp) polymer excitation wavelength	nm		455	
ES3	1	CN2,CN3,CN5	Ru(dpp) polymer emission wavelength	nm		613	
ES5	1	CN3, CN5	Absorbed Photodiode power	mW		25	Proportion
ES6	1	CN3, CN2, CN5	Lowest Current from photodiode	mA		10	
ES7	1	CN2, CN3, CN5	Length of desired input signal pulse	ms	1 to 10 ms	1	
ES8	1	CN2,CN3,CN5	Desired Response Frequency	MHz	250kHz to 10.6MHz		
ES9	1	CN2,CN3,CN5	Rise time of LED	uS	<1us	0.1	
ES10	1	CN2, CN3, CN5	Pulse Width of Signal	mS	100	100	

Engr. Spec. #: enables cross-referencing (traceability) and allows mapping to lower level specs within separate documents

Source: Customer need #, regulatory standard (eg. EN 60601), and/or "implied" (must exist but doesn't have an associated customer need)

Description: quantitative, measurable, testable details

*This table can be expanded to document test results