

RPM973-H11

1/2

Photo Link Module

●Electrical Optical characteristics (Ta = 25°C)

Recommended operating conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply voltage	Vcc	2.4	3.0	3.6	V
	VLEDA	2.7	3.0	5.5	V
	VIO	1.7	3.0	Vcc	V

Electrical Optical Characteristics(Unless otherwise noted, Vcc=3V, VLEDVCC=3V, VIO=3V, Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Consumption Current2(FIR Mode)	Icc2	400	1000	1600	μA	PWDOWN=0V, At no input light
Consumption Current3(at PWDOWN)	Icc3	–	0.01	0.2	μA	PWDOWN=VIO, At no input light
LED anode current	ILED	180	250	300	mA	
Receiver latency time	tRT	–	100	200	μs	
Peak wavelength	λP	880	890	900	nm	
Intensity	IE1	25	65	–	mW/Sr	–15deg≤θ _L ≤15deg
Half-angle	θL/2	±15	–	–	deg	
Minimum irradiance in augular2	Eemin2	–	–	20.3	μW/cm ²	–15deg≤θ _L ≤15deg, >115.2kbps
Input half-angle	θD/2	±15	–	–	deg	

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