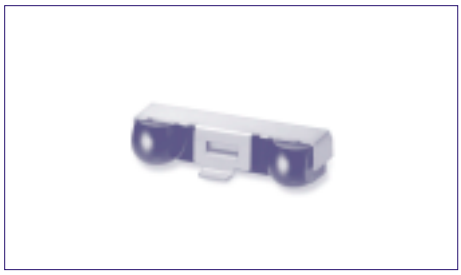
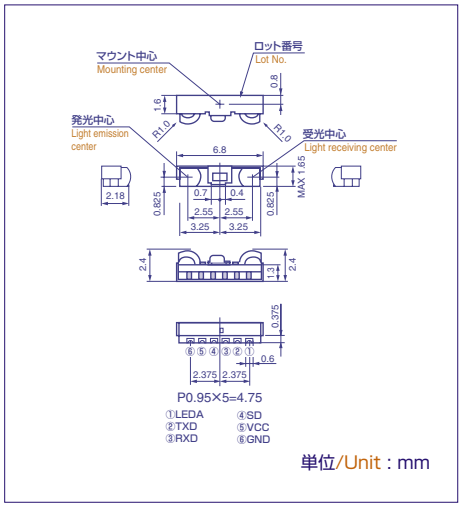
CIM-131M7



●外形寸法図/Outline drawing

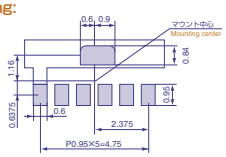


単位/Unit : mm

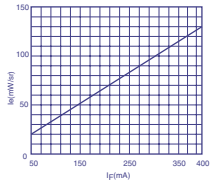
●電気的光学的特性/Electro-optical characteristics (Ta 25℃)

Item		Symbol	Conditions	Min	Typ	Max	Unit
トランシーバー Transceiver	電源電圧 Power supply voltage	V_{CC}	-	2.4	-	3.6	V
	通信レート Communications rate	-	-	0.0096	-	1.152	Mbps
	消費電流 Current drawn	I_{CC}	No Load	-	445	550	μA
	Power Down電流 Power-down current	I_{ccsd}	SD=V_{CC}	-	0.01	1	μA
発光部 Light emitting portion	放射強度 Emission strength	Ie	Vcc=Anode=4.4V RL=5Ω I_F≒380mA	40	-	200	mW/sr
	ピーク発光波長 Peak emission wavelength	λp	-	850	875	900	nm
受光部 Light sensing portion	最小受光感度 Minimum receiving sensitivity	E_{emin}	0.576Mbps 1.152Mbps	-	5.0	8.0	μW/cm²
	最大受光感度 Maximum receiving sensitivity	E_{emax}	α=0°	500	-	-	mW/cm²
	レイテンシー Latency	T_L	-	-	50	100	μs

推奨はんだ付けパターン
The following soldering patterns are recommended for reflow-soldering:



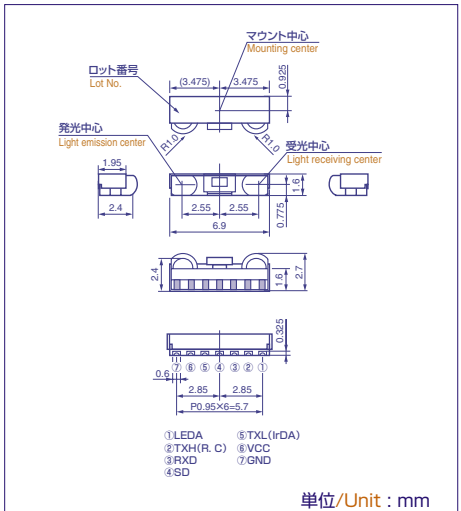
●諸特性/Characteristics



CIM-121F7RV



●外形寸法図/Outline drawing

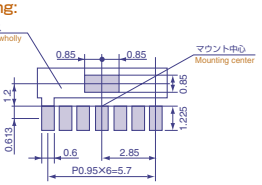


単位/Unit : mm

●電気的光学的特性/Electro-optical characteristics (Ta 25℃)

Item		Symbol	Conditions	Min	Typ	Max	Unit
トランシーバー Transceiver	電源電圧 Power supply voltage	V_{CC}	-	2.4	-	3.6	V
	通信レート Communications rate	-	-	0.0096	-	4.0	Mbps
	消費電流 Current drawn	I_{CC}	FIR時/At FIR	-	1.0	-	mA
			SIR時/At SIR	-	550	-	μA
	Power Down電流 Power-down current	I_{ccsd}	SD=V_{CC}	-	0.01	1	μA
発光部 Light emitting portion	放射強度 Emission strength	Ie	I_F≒150mA	10	-	300	mW/sr
	ピーク発光波長 Peak emission wavelength	λp	-	850	875	900	nm
受光部 Light sensing portion	最小受光感度 Minimum receiving sensitivity	E_{emin}	FIR時/At FIR	-	11.0	20.0	μW/cm²
			SIR時/At SIR	-	5.0	8.1	μW/cm²
	最大受光感度 Maximum receiving sensitivity	E_{emax}	α=0°	500	-	-	mW/cm²
	レイテンシー Latency	T_L	-	-	-	100	μs

推奨はんだ付けパターン
The following soldering patterns are recommended for reflow-soldering:



●諸特性/Characteristics

