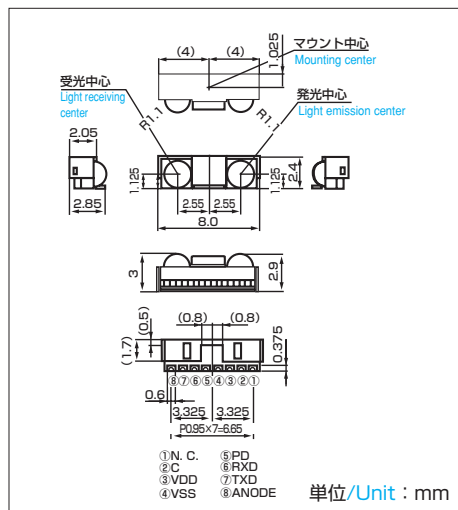


CIM-53S2



■外形寸法図/Outline drawing



■電氣的光学的特性/Electro-optical characteristics

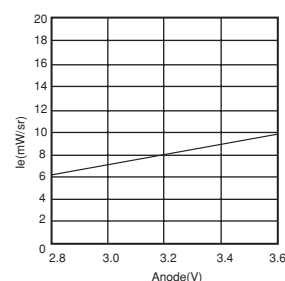
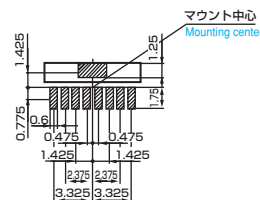
(Ta=25°C)

項目/Item		記号 Symbol	条件 Conditions	最小値 Min	標準値 Typ	最大値 Max	単位 Unit
トランシーバー Transceiver	電源電圧 Power supply voltage	V _{DD}	-	2.7	-	5.5	V
	通信レート Communications rate	-	-	2.4	-	115.2	Kbps
	消費電流 Current drawn	I _{SS}	No Load	-	120	170	μA
	Power Down電流 Power-down current	I _{PD}	V _{PD} =V _{DD}	-	0.01	1	μA
発光部 Light emitting portion	放射強度 Emission strength	I _e	α=±15° Anode=3.0V (RL内蔵)	4.0	-	28.8	mW/sr
	ピーク発光波長 Peak emission wavelength	λ _p	-	850	875	900	nm
受光部 Light sensing portion	最小受光感度 Minimum receiving sensitivity	E _{emin}	α=±15°	-	6.0	8.1	μW/cm ²
	最大受光感度 Maximum receiving sensitivity	E _{emax}	α=0°	100	-	-	mW/cm ²
	レイテンシー Latency	T _L	-	-	-	200	μs

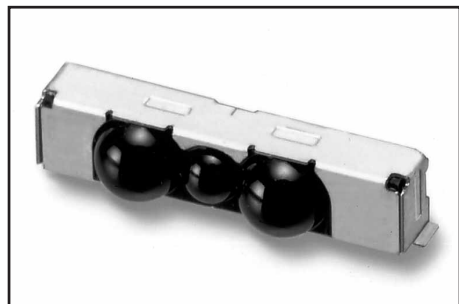
■諸特性Characteristics

推奨はんだ付けパターン

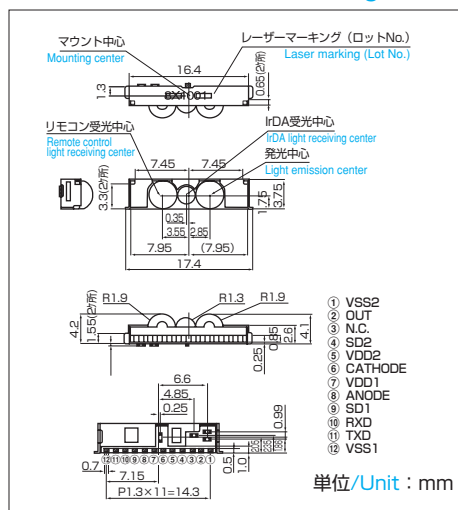
The following soldering patterns are recommended for reflow-soldering:



CIM-71S2



■外形寸法図/Outline drawing



■電気的光学的特性/Electro-optical characteristics

(Ta=25°C)

項目/Item		記号 Symbol	条件 Conditions	最小値 Min	標準値 Typ	最大値 Max	単位 Unit
トランシーバー Transceiver	電源電圧 Power supply voltage	V _{DD}	-	2.7	-	3.5	V
	通信レート/搬送用周波数 Communications rate/Carrier frequency		IrDA通信 /IrDA communications	2.4	-	115.2	Kbps
			リモコン部 /Remote control portion	-	40	-	KHz
	消費電流 Current drawn	I _{ss1}	IrDA部/IrDA portion	-	120	200	μA
		I _{ss2}	リモコン部 /Remote control portion	-	150	250	μA
	Power Down電流 Power-down current	I _{SSPd1}	IrDA部/IrDA portion	-	0.01	1	μA
		I _{SSPd2}	リモコン部 /Remote control portion	-	-	1	μA
発光部 Light emitting portion	放射強度 Emission strength	I _{e1}	I _{FP} =30mA α=±15°	4	8	-	mW/sr
		I _{e2}	I _{FP} =40mA α=0°	10	14	-	mW/sr
	ピーク発光波長 Peak emission wavelength	λ _p	-	850	875	900	nm
受光部 Light sensing portion	最小受光感度 Minimum receiving sensitivity	E _{emin1}	IrDA部/IrDA portion α=±0°	-	7	9	μW/cm ²
		E _{emin2}	リモコン部 /Remote control portion α=±0°	-	75	100	nW/cm ²
	最小受光感度 Maximum receiving sensitivity	E _{emax}	IrDA部/IrDA portion α=±0°	100	-	-	mW/cm ²
	レイテンシー Latency	T _L	IrDA部/IrDA portion	-	-	500	μs

■諸特性Characteristics

推奨はんだ付けパターン

The following soldering patterns are recommended for reflow-soldering:

