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RS-140,RS-150,RS-170,RS-180 シリーズ

Micro-size Surface Mountable Infrared Remote Control Receiver Unit RS-140,RS-150,RS-170,RS-180 Series



RS-140



RS-150



RS-170



RS-180

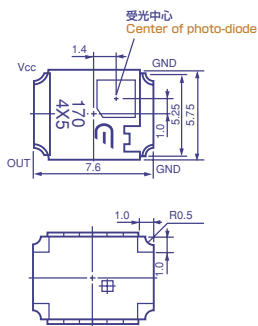
■外形寸法図/Outline drawing

RS-140シリーズは、RS-20シリーズと同一
RS-140 Series identical to RS-20 Series

RS-150シリーズは、RS-50シリーズと同一
RS-150 Series identical to RS-50 Series

■外形寸法図/Outline drawing

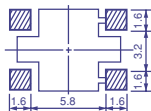
RS-170シリーズ/RS-170 Series



単位/Unit : mm

推奨はんだ付けパターン

The following soldering patterns are recommended for reflow-soldering:



(注) リモコン受光ユニット(RS)下面は、べたアースとする。
(Note) Remote control receiver unit (RS) should be grounded wholly on its bottom side.

特徴/Features

1. RS-100シリーズは、従来品に比べ耐光性、耐ノイズ性は優れています。
2. RS-170シリーズは、表面及び裏面実装が可能で、超小型・薄型です。
3. RS-180シリーズは、レンズ付きで受光距離特性が優れています。

1. The RS-100 series have excellent light and noise resistance as compared to the existing product.
2. The RS-170 series, which are extremely small and thin models, provide top surface and bottom surface mounting availability.
3. The RS-180 series with lens provide excellent sensing distance characteristics.

用途/Application

TV、VTR、オーディオ機器、エアコン、カーステレオ、カメラ、その他

TV, VCR, audio equipment, air conditioner, automotive equipment, camera etc.

■絶対最大定格/Absolute Maximum Rating

(Ta 25°C)

項目/Item	記号/Symbol	定格値/Rating	単位/Unit
電源電圧/Power supply voltage	V	6	V
動作温度範囲/Operating temperature range	T _{OP}	-30~+85	°C
保存温度範囲/Storage temperature range	T _{ST}	-40~+90	°C

■動作電圧/Recommended Operating Conditions

項目/Item	記号/Symbol	推奨動作範囲/Recommended Operating Voltage	単位/Unit
電源圧力/Power voltage	V _{CC}	4.5~5.5	V

■仕様/Specifications

シリーズ/ Series	特徴/ Feature	搬送周波数/Carrier frequency			仕様/Specifications	
		40KHz	38KHz	36.7KHz	フォトダイオードサイズ/Size of photo-diode	到達距離/Reaching distance
RS-140シリーズ/RS-140 Series	汎用 For general purpose	RS-140	RS-141	RS-142	□2mm (レンズ付) (with lens)	5m以上 5 meters min.
RS-150シリーズ/RS-150 Series	側面受光用 For side-mounted receiver	RS-150	RS-151	RS-152	□2mm	5m以上 5 meters min.
RS-170シリーズ/RS-170 Series	超薄型 Ultra thin	RS-170	RS-171	RS-172	□2mm	5m以上 5 meters min.
RS-180シリーズ/RS-180 Series	超小型 Ultra small	RS-180	RS-181	RS-182	□2mm (レンズ付) (with lens)	5m以上 5 meters min.

■内部結線部/Internal circuit diagram

