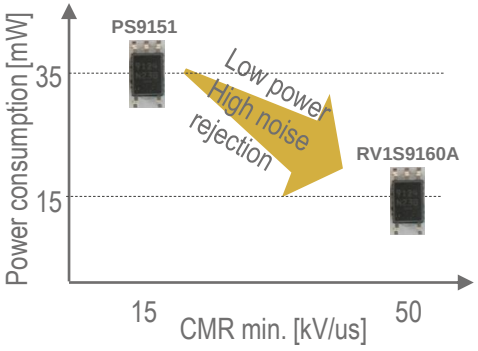
RENESAS
BIG IDEAS FOR EVERY SPACE

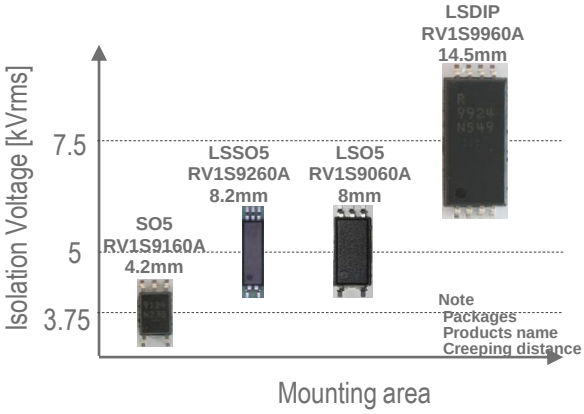
Toward realization of low power consumption and high speed communication equipment

Low current, 15Mbps communication Photocoupler RV1S9x60A

Overview

Recently, regarding industrial equipment such as AC servos and inverters, low power consumption, high speed communication to meet the increasing control data and high noise rejection to withstand the severe noise from high speed power devices are needed.
RV1S9x60A(9060A,9160A,9260A,9960A) is a 15 Mbps high-speed communication coupler which realized 40% power consumption and three times common mode noise rejection compared with the conventional product.
RV1S9160A is suitable for PLC(Programable Logic Controller) due to CTI=400 & small package.
In order to meet various needs such as miniaturization of customer's set and power supply voltage, we have the line-up of SO5, LSSO5, LSO5 and LSDIP packages.



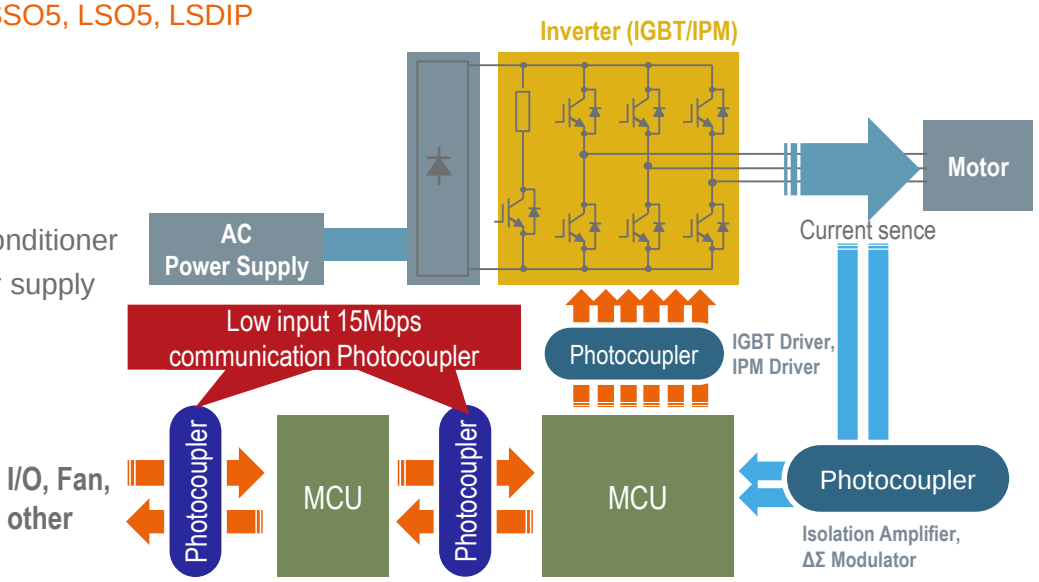


Features

- Low current drive : IFHL 2mA max.(RV1S9160A)
- Noise tolerance ：CMR 50kV/us min.
- High temperature ：125°C max.
  (RV1S9960A：110°C max.)
- CTI(Comparative Tracking Index) : 400
  (RV1S9060A, RV1S9160A, RV1S9260A)
- Packages ：SO5, LSSO5, LSO5, LSDIP

Application

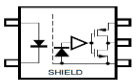
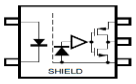
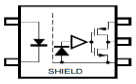
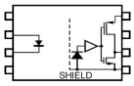
- Inverter, AC servo
- Industrial robot
- Solar / Wind Power conditioner
- UPS, Industrial Power supply
- PLC



Please confirm the latest specifications in the data sheet.

Line UP

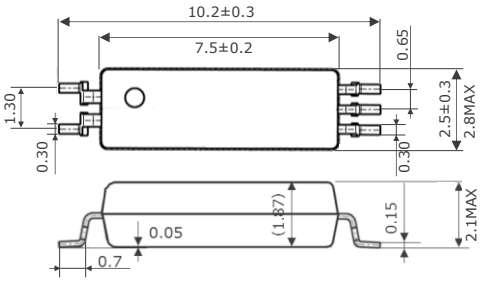
Low input 15Mbps communication Photocoupler

Part Number	Pin Connection	Package (Creeping distance)	Feature	Status
RV1S9060A CCSP-10YC *1)		 (8mm)	・Package : LSO5 ・Isolation Voltage : 5,000Vrms ・Low current drive : IFHL 2.2mA(max.) ・High speed : tpLH/HL 60ns(max.) ・Noise tolerance : CMR 50kV/us(min.) ・High temperature : Ta 125°C(max.)	MP
RV1S9160A CCSP-100C *1)		 (4.2mm)	・Package : SO5 ・Isolation Voltage : 3,750Vrms ・Low current drive : IFHL 2mA(max.) ・High speed : tpLH/HL 60ns(max.) ・Noise tolerance : CMR 50kV/us(min.) ・High temperature : Ta 125°C(max.)	MP
RV1S9260A CCSP-10YC *1)		 (8.2mm)	・Package : LSSO5 ・Isolation Voltage : 5,000Vrms ・Low current drive : IFHL 2.6mA(max.) ・High speed : tpLH/HL 60ns(max.) ・Noise tolerance : CMR 50kV/us(min.) ・High temperature : Ta 125°C(max.)	Ordering Start
RV1S9960A CCSP-10YC *1)		 (14.5mm)	・Package : LSDIP8 ・Isolation Voltage : 7,500Vrms ・Low current drive : IFHL 3.8mA(max.) ・High speed : tpLH/HL 60ns(max.) ・Noise tolerance : CMR 50kV/us(min.) ・High temperature : Ta 110°C(max.)	MP

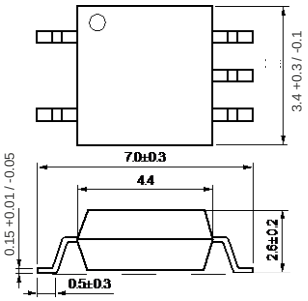
*1) VDE approved product is RV1S9x60ACCSP-10xV

Package Dimensions [Unit : mm]

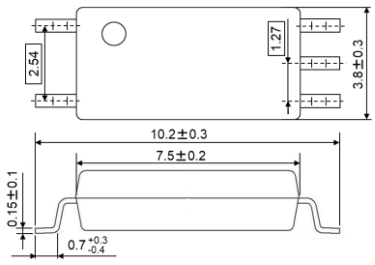
LSSO5



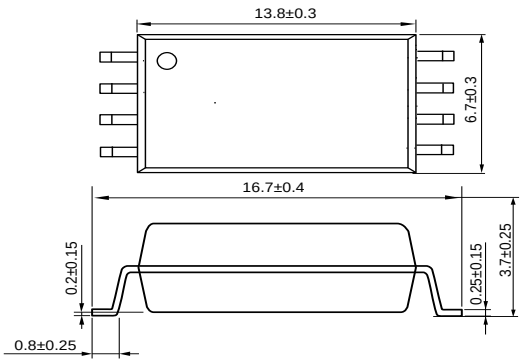
SO5



LSO5



LSDIP8



Please confirm the latest specifications in the data sheet.

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