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Product Specifications of Renesas' New PS9905 and PS9924 Photocouplers

1. Long creepage distance and air distance: 14.5 mm, isolation distance 0.4 mm
2. High isolation: 7500 Vrms (UL 1577)
3. High operating isolation voltage: VIORM = 1,600 V peak, highest permissible overvoltage VIOTM = 12,000 V peak (IEC/EN 60747-5-2)
4. Safety standards: UL, VDE, CSA
5. Long creepage distance: 8-pin SOP (14.5 mm) for surface mount
6. Taping product: PS9905-F3, PS9924-F3: 1000 pcs/reel

[Product Specifications of the PS9905 Photocoupler]

1. Peak output current: 2.5 A
2. High-speed switching: tPLH, tPHL = 150 ns (max)
3. Low power consumption: ICCH, ICCL = 3 mA (max)
4. Low input current: IFLH = 6 mA MAX
5. Low power dissipation: VOH = Vcc - 3 V MIN
6. High operating temperature (up to 110°C)
7. UVLO (under voltage lock out) protection
8. High common mode transient immunity (CMH, CML = ±25 kV/μs min.)

[Product Specifications of the PS9924 Photocoupler]

1. High speed switching: tPLH, tPHL = 100 ns (max)
2. Low input current: IFHL = 5 mA (max)
3. Low circuit current: ICCH = 3 mA TYP, ICCL = 5 mA TYP
4. Supply voltage: Vcc = 3.3 V, 5 V
5. High operating temperature (up to 110°C)
6. High common mode transient immunity (CMH, CML = ±15 kV/μs min.)