

Ultra Miniature MOSFET Relay

PhotoMOS Series TSON type

Panasonic
INDUSTRY



Ultra miniature TSON package contributes to space savings

The new capacitive coupled TSON MOSFET relays belong to the successful series of so-called Low CxR PhotoMOS®. These relays have an optimized, very low product of C and R of the output transistors. In contrast to the well-known PhotoMOS® the galvanic isolation of the TSON relays between input and output is not optical but capacitive. This offers not only a much smaller design but also considerable advantages in the temperature range, the drive power and the switching times. Thus, the new TSON relays can be operated up to +105°C ambient temperature. The current required for control is typically at low 0.2mA and the input can be operated directly with voltages of typ. 3-5V. A series resistor as required by PhotoMOS is therefore no longer necessary.

Key Features

- Ultra small TSON package
- Low On resistance
- Low output capacitance
- Voltage sensitive input
- High temperature range up to +105°C
- Linear output characteristics
- High reliability and unlimited switching cycles
- AC/DC switching



Measurement Equipment

- ATE
- Multimeter
- Multiplexer



Telecommunication

- Telephone Line Test Equipment
- Router & Switches
- Control Unit I/O



Medical equipment

- Ultrasonic
- X-Ray
- CT



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