

MR Sensors (TDM Series)

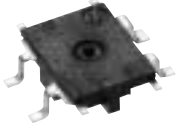
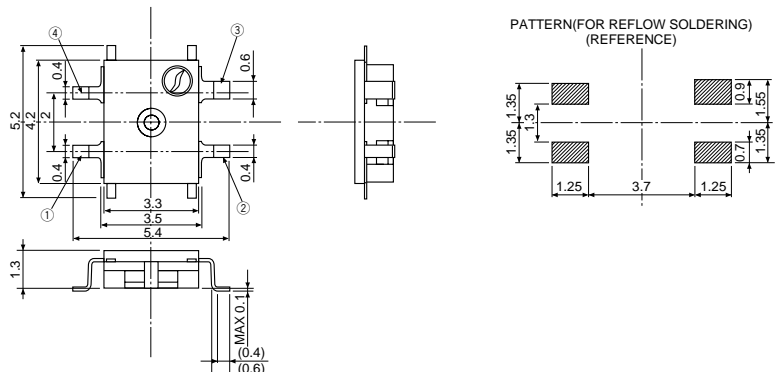

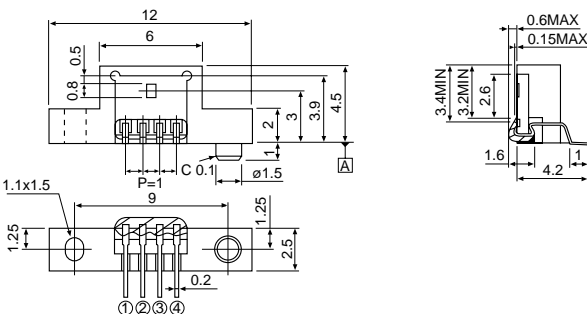
Magneto-Resistance Device
High-Sensitivity in Weak Magnetic Fields and
High-Speed Response Capability are Offered Together

FEATURES

- Compact and light weight.
- Ferromagnetic thin films made from a permalloy or a nickel-cobalt alloy as an element
 - High sensitivity in a weak magnetic field like 8KA/m{100 Oe}
 - Higher response speed and higher resolution than the methods with a coil or a ray
 - By virtue of its directional sensitivity, adverse influences of leaked magnetic fields are to be alleviated
- No mechanical wear due to non-contact type
- Low power consumption

APPLICATIONS

Capstan motors for VCR, Camcorder and DAT, Servo motors for Copier and Printer, Motors for NC machine, etc.

<p>TDM0203</p> <p>(Surface Mount type)</p>  <p>Taping (Holds, 3000 parts)</p>	
<p>TDM0404</p> 	 <p>Holder and Terminals to be led out are custom designs.</p>

SPECIFICATIONS

	TDM0203	TDM0404
Operating Temperatures Range	-30~80 °C	-30~80 °C
Rated Voltage	DC 5V (Max Operating Voltage DC12V)	DC 5V (Max Operating Voltage DC12V)
Input Resistance	1,800 Ω ± 30%	1,000 Ω ± 30%
Magneto-resistance Variation (Magnetic Sensitivity)	2%min. at a magnetic field intensity of 8KA/m {100 Oe}	2%min. at a magnetic field intensity of 8KA/m {100 Oe}
Neutral Point Voltage	2,500 ± 30mV When 5V DC applied across input terminals	2,500 ± 30mV When 5V DC applied across input terminals

