

Membrane Force Sensor



39.6mm Square Active Area

Application

- ✓ Fitness, Medical, Industrial and many others

Feature

- ✓ Ultra-thin, Flexible and sealed properties, Velocity-sensitive

Order Code	Outline Drawing
MF02-N-221-A01	

SPECIFICATION

MODEL	MF02-N-221-A01
FORCE SENSITIVITY RANGE	30g ~ 1000g (0.3N ~ 9.8N)
ACTIVE AREA	39.6mm x 39.6mm
FORCE REPEATABILITY (SINGLE PART)	±5%
FORCE REPEATABILITY (PART TO PART)	±20%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20MΩ
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	>1 Million

CONNECTOR OPTIONS

Bear Tail	Female Contacts	Solder Tabs (pin)	Female Contact with Housing

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Alpha \(Taiwan\):](#)

[MF02-N-221-A01](#)