

- Digital output
- High noise immunity
- Pressure range 0 TO 5.88kPa
- Current consumption 150mA +/- 5% at output, 3VDC
- Temperature compensated over full range -30°C to 70°C
- Protection Structure IP 40

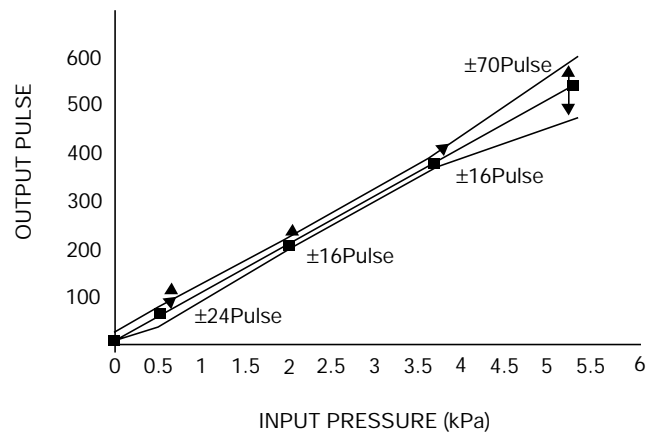


Recommended Operating Conditions

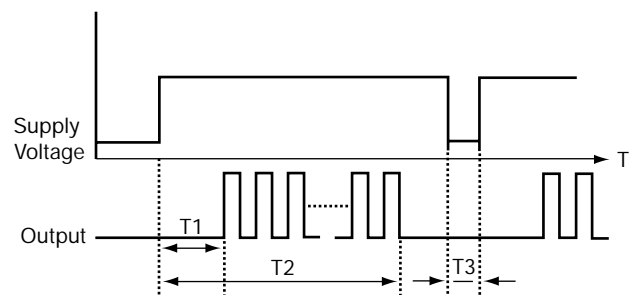
Parameter	Item	Condition	Min.	Max.	Unit
V _{CC}	Supply voltage	-	2.2	3.4	V
V _{OH}	High output voltage	V _{CC} =3V, I _{OH} =-500μA	V _{CC} - 0.3	-	V
V _{OL}	Low output voltage	V _{CC} =3V, I _{OL} =1500μA	-	V _{SS} +0.3	V

Timing Characteristics

Output resolution	0.01 kPa/1 pulse
Output frequency	150 ~ 450kHz
Output pulse	0 TO 550 pulses (at the central value)



T1: Pressure measurement time	2.5ms min
T2: Response time	18ms max
T3: Electrical discharge time	100ms min

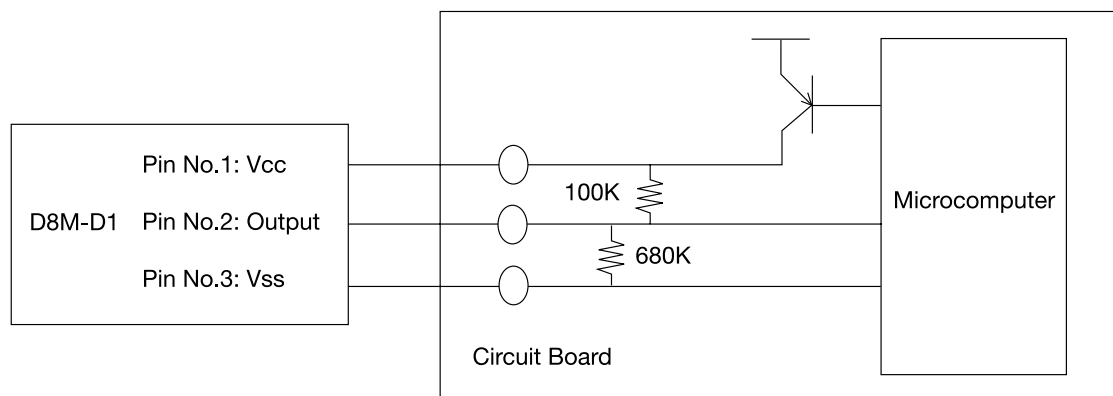


Response Time (Timing Chart)

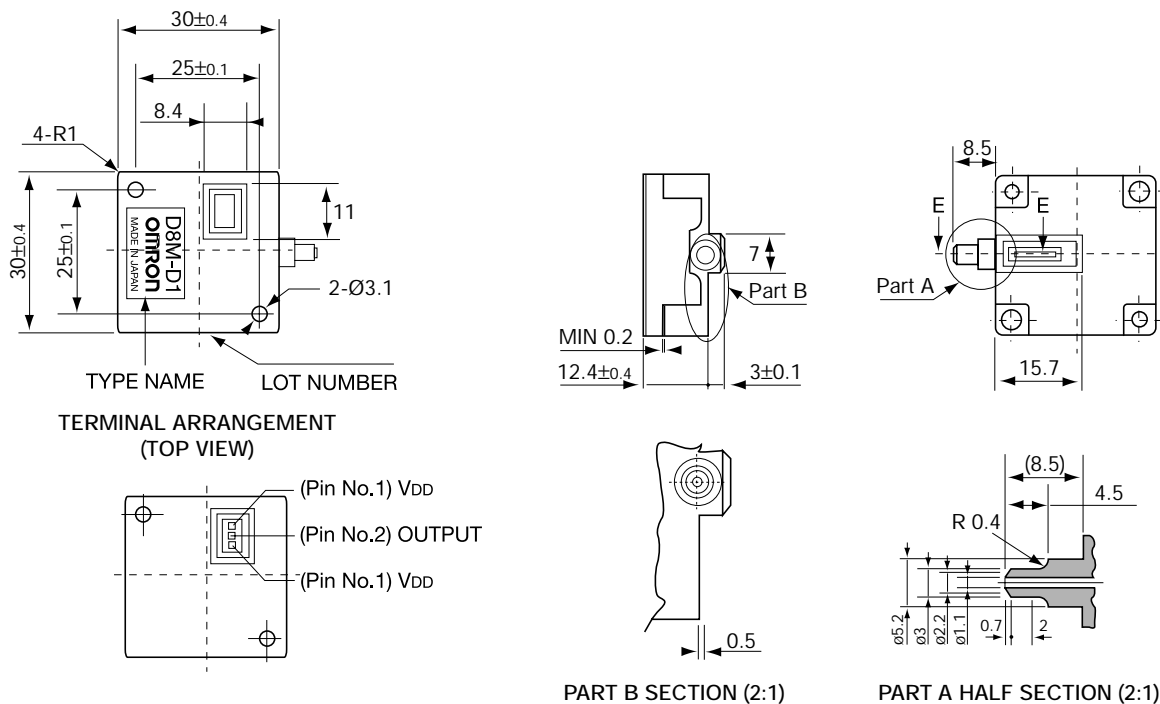
Characteristics

Repeatability & Hysteresis	+/- 0.5%
Operating Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C
Operating Humidity	25 to 95%
Insulation Resistance	100mΩ min (250VDC between load terminals and base)
Dielectric Withstand	250VAC 50/60Hz for 1 min
Material	Case: PBT(poly-butylene-teleftaret) Base: PBT(poly-butylene-teleftaret)
Withstand Pressure	58.8kPa (3 minutes)

Recommended Interface Circuit



Dimensions



Cat. No. D8M-D1 In the interest of product improvement, specifications are subject to change without notice.



LEADERS IN ELECTRONIC COMPONENTS

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