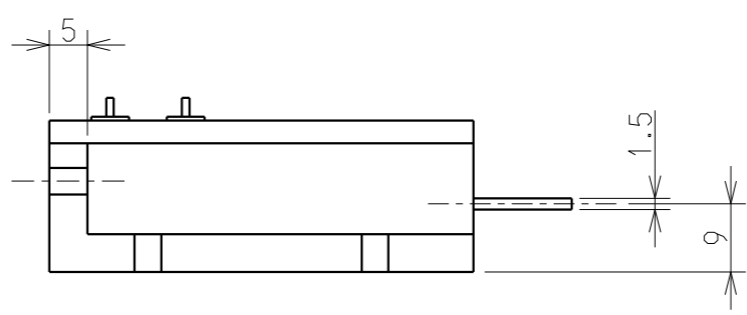
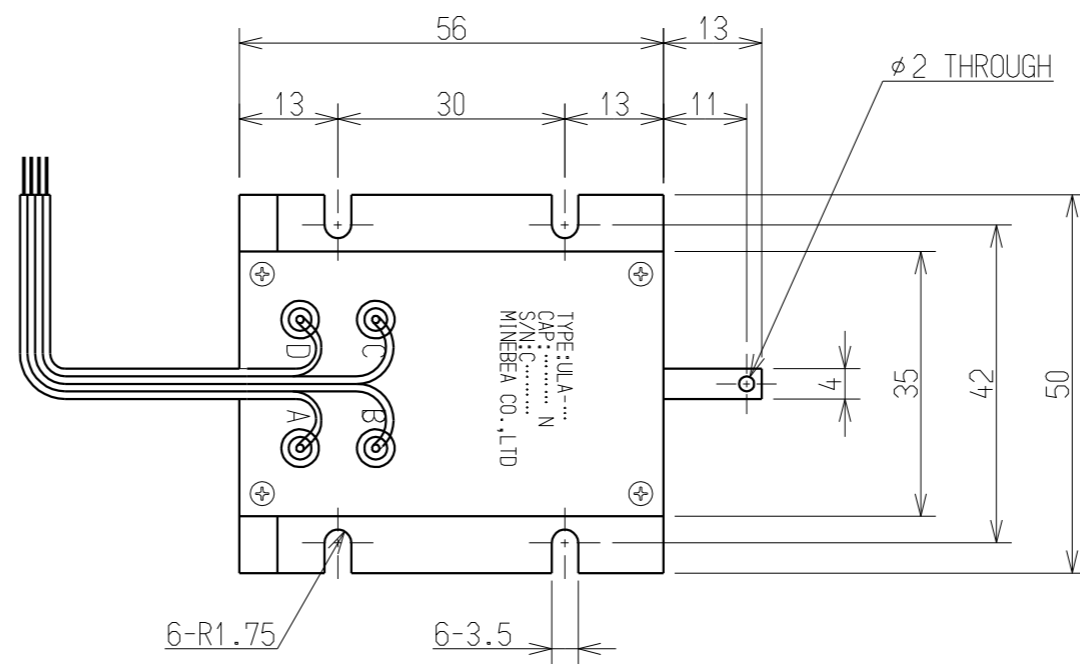
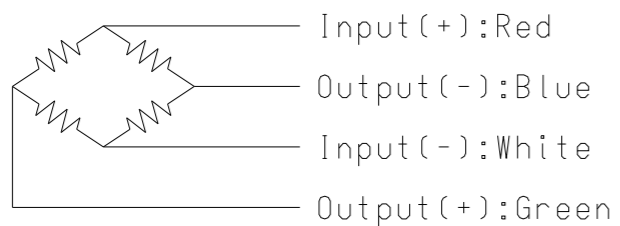
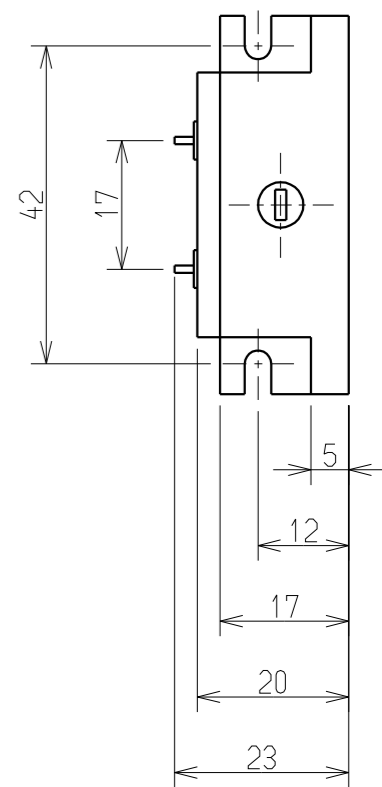


LOADCELL TYPE ULA-10GR~100GR
SPECIFICATIONS

- PERFORMANCE
 - Rated capacity (R.C.) : 98.07 mN {10 gf}
 - : 196.1 mN {20 gf}
 - : 490.3 mN {50 gf}
 - : 980.7 mN {100 gf}
 - Safe overload : 130 %R.C.
 - Ultimate overload : 130 %R.C.
 - Rated output (R.O.) : 1.75 mV/V±0.35 mV/V
 - Non-linearity : 0.2 %R.O.
 - Hysteresis : 0.2 %R.O.
 - Repeatability : 0.2 %R.O.
- ELECTRICAL
 - Recommended excitation : 3 V or less
 - Maximum excitation : 6 V
 - Zero balance : ±0.175 mV/V
 - Input terminal resistance : 270 Ω±40 Ω
 - Output terminal resistance : 270 Ω±40 Ω
 - Insulation resistance : 1000 MΩ or more(DC50 V)
 - (bridge-body)
- TEMPERATURE
 - Compensated temperature range : 0 °C to 50 °C
 - Safe temperature range : -10 °C to 60 °C
 - Temperature effect on zero balance : 0.5 %R.O./ 10°C
 - Temperature effect on output : 0.5 %LOAD/ 10°C
- THE OTHERS
 - Cable : 4core PARALLEL 60cm direct connection
 - IP level : IP30
 - Fatigue life : 10⁶ under the R.C.
- CIRCUIT



TENSION
↑
LOADING DIRECTION
↓
COMPRESSION



Type	Rated capacity	Movable displacement (mm)	Natural frequency (Hz)	Mass (About g)
ULA-10GR	98.07 mN {10 gf}	±0.4	133	100
ULA-20GR	196.1 mN {20 gf}	±0.4	192	100
ULA-50GR	490.3 mN {50 gf}	±0.4	208	100
ULA-100GR	980.7 mN {100 gf}	±0.4	286	100

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ミネベア株式会社 MINEBEA CO.,LTD. 計測機器事業部					単位 UNIT mm 尺度 SCALE free	材質 MATERIAL 表面粗さ SURF.ROUGH. 熱処理 HEAT TREAT. 表面処理 FINISH	作成日 DATE 2009.9.7	
							品名 DESCRIPTION OUTLINE	
APPROVED					DRAWN		品番 PART NO.(MODEL NO.) ULA-10GR~100GR	
F. IDE					T. TATSUTA		図番 DRAWING NO. KT52758-2	
F. IDE					T. TATSUTA		葉番 SHEET 改訂 REV.	
符号 MARK	日付 DATE	変更事項 REASON	ECN NO.	担当 ENGINEER	承認 APPROVED			