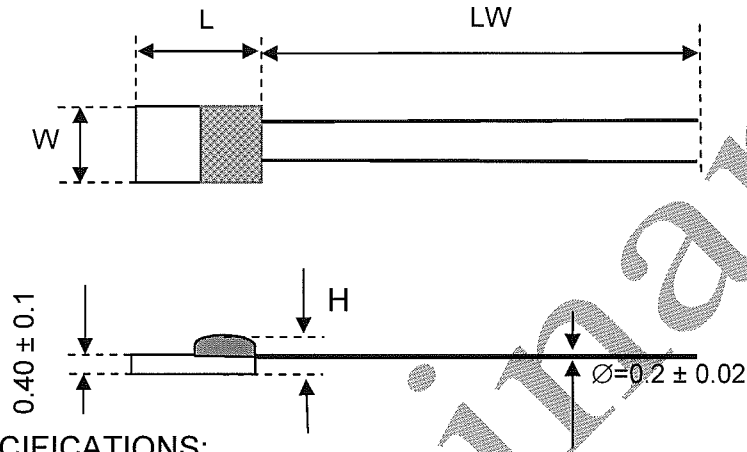


Dimensions [mm]:



### GENERAL SPECIFICATIONS:

- TYPE:** PG0K1.216.4K..010
- NOMINAL RESISTANCE:** 100.0 Ohm @ 0°C
- TEMP. COEFFICIENT:** 3911 ppm/K
- TEMPERATURE DEPENDENCE OF RESISTIVITY**  
 $R = 100 * (1 + A * T + B * T^2 + C * (T - 100) * T^3)$  for  $T < 0^\circ\text{C}$   
 $R = 100 * (1 + A * T + B * T^2)$  for  $T > 0^\circ\text{C}$   
 R = Resistance in ohm  
 $A = 3.9692E^{-3} [^\circ\text{C}^{-1}]$ ,  $B = -5.829E^{-7} [^\circ\text{C}^{-2}]$ ,  $C = -4.3303E^{-12} [^\circ\text{C}^{-4}]$   
 T[°C]: temperature in accordance with ITS90
- WORKING TEMPERATURE RANGE:** -200°C to +400°C continuous operation
- TOLERANCE:**  
 $|\Delta T| \leq 0.30 \pm 0.005 * |T|$  (Class B) **PG0K1.216.4K.B.010**  
 $|\Delta T| \leq 0.15 \pm 0.002 * |T|$  (Class A) **PG0K1.216.4K.A.010**  
 $\Delta T$  = temperature error in K  
 (other tolerances on request)
- CLASSIFICATION TEMPERATURE RANGE:**  
 GOST 6651-94, Class B -200°C to +400°C  
 GOST 6651-94, Class A -200°C to +400°C
- DIMENSIONS (mm):** L= 2.5+/- 0.2, W= 1.5 +/- 0.2, H= 1.1+/- 0.2, LW= 10 +/- 1.0
- LEAD WIRES:** Pt/Ni-wires,  $\varnothing$  0.2 mm, 10 mm length
- LONG TERM STABILITY:** 0.05% after 1000 hrs at 400°C
- MEASURING CURRENT:** 0.3 mA to 1 mA, recommended 5 mA max.
- HYSTERESIS:** 0.005% max. in the range of -200°C to +400°C

	Title	Name	Signature	Date
DRAWN	BD Manager	D. Neher		09.06.2009
APPROVED	Tech. Director	J. Holoubek		09.06.2009
QS	QS Manager	A. Polak		09.06.2009



INNOVATIVE SENSOR TECHNOLOGY