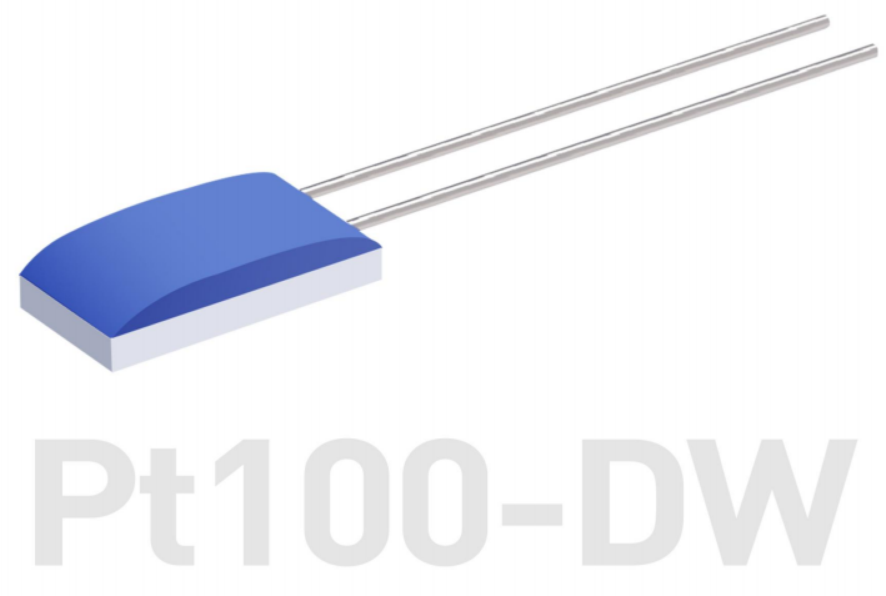

Pt100-DW

Pt100-DW series thin film platinum resistors have the advantages of small size, high precision and good long-term stability.
It has the characteristics of anti-vibration and anti-shock.
The product can be subdivided into regular ultralow and high temperature series, covering the temperature range of -200 to +850°C.
It can be used in many connection ways, such as welding brazing crimping and so on.

Type	Class	R0 (Ω)	Temperature range	Accurancy	Dimension	Material
Pt100.DW.M100.1220.1/10B.PN	1/10B	100±0.01	0~+100°C	±(0.03+0.0005|t|)	1.2×2.0×1.0	PN
Pt100.DW.M150.1220.1/3B.PN	1/3B	100±0.04	0~+150°C	±(0.1+0.0017|t|)	1.2×2.0×1.0	PN
Pt100.DW.M300.1220.A.PN	A	100±0.06	-50~+300°C	±(0.15+0.002|t|)	1.2×2.0×1.0	PN
Pt100.DW.M500.1220.B.PN	B	100±0.12	-70~+500°C	±(0.3+0.005|t|)	1.2×2.0×1.0	PN
Pt100.DW.M500.1220.2B.PN	2B	100±0.24	-70~+500°C	±(0.6+0.01|t|)	1.2×2.0×1.0	PN
Pt100.DW.M300.1220.A.AN	A	100±0.06	-50~+300°C	±(0.15+0.002|t|)	1.2×2.0×1.0	AN
Pt100.DW.M300.1220.B.AN	B	100±0.12	-50~+300°C	±(0.3+0.005|t|)	1.2×2.0×1.0	AN
Pt100.DW.M300.1220.2B.AN	2B	100±0.24	-50~+300°C	±(0.6+0.01|t|)	1.2×2.0×1.0	AN

Type	Class	R0 (Ω)	Temperature range	Accurancy	Dimension	Material
Pt100.DW.M100.1620.1/30B.PN	1/30B	100±0.004	0~+100°C	±(0.01+0.00017|t|)	1.6×2.0×1.0	PN
Pt100.DW.M100.1620.1/10B.PN	1/10B	100±0.01	0~+100°C	±(0.03+0.0005|t|)	1.6×2.0×1.0	PN
Pt100.DW.M150.1620.1/3B.PN	1/3B	100±0.04	0~+150°C	±(0.1+0.0017|t|)	1.6×2.0×1.0	PN
Pt100.DW.M300.1620.A.PN	A	100±0.06	-50~+300°C	±(0.15+0.002|t|)	1.6×2.0×1.0	PN
Pt100.DW.M500.1620.B.PN	B	100±0.12	-70~+500°C	±(0.3+0.005|t|)	1.6×2.0×1.0	PN
Pt100.DW.M500.1620.2B.PN	2B	100±0.24	-70~+500°C	±(0.6+0.01|t|)	1.6×2.0×1.0	PN
Pt100.DW.M300.1620.A.AN	A	100±0.06	-50~+300°C	±(0.15+0.002|t|)	1.6×2.0×1.0	AN
Pt100.DW.M300.1620.B.AN	B	100±0.12	-50~+300°C	±(0.3+0.005|t|)	1.6×2.0×1.0	AN
Pt100.DW.M300.1620.2B.AN	2B	100±0.24	-50~+300°C	±(0.6+0.01|t|)	1.6×2.0×1.0	AN

Type	Class	R0 (Ω)	Temperature range	Accurancy	Dimension	Material
Pt100.DW.M100.2023.1/30B.PN	1/30B	100±0.004	0~+100°C	±(0.01+0.00017|t|)	2.0×2.3×1.0	PN
Pt100.DW.M100.2023.1/10B.PN	1/10B	100±0.01	0~+100°C	±(0.03+0.0005|t|)	2.0×2.3×1.0	PN
Pt100.DW.M150.2023.1/3B.PN	1/3B	100±0.04	0~+150°C	±(0.1+0.0017|t|)	2.0×2.3×1.0	PN
Pt100.DW.M300.2023.A.PN	A	100±0.06	-50~+300°C	±(0.15+0.002|t|)	2.0×2.3×1.0	PN
Pt100.DW.M500.2023.B.PN	B	100±0.12	-70~+500°C	±(0.3+0.005|t|)	2.0×2.3×1.0	PN
Pt100.DW.M500.2023.2B.PN	2B	100±0.24	-70~+500°C	±(0.6+0.01|t|)	2.0×2.3×1.0	PN
Pt100.DW.H650.2023.B.PT	B	100±0.12	-70~+650°C	±(0.3+0.005|t|)	2.0×2.3×1.0	PT
Pt100.DW.H650.2023.2B.PT	2B	100±0.24	-70~+650°C	±(0.6+0.01|t|)	2.0×2.3×1.0	PT
Pt100.DW.H850.2023.B.PT	B	100±0.12	-70~+850°C	±(0.3+0.005|t|)	2.0×2.3×1.0	PT
Pt100.DW.H850.2023.2B.PT	2B	100±0.24	-70~+850°C	±(0.6+0.01|t|)	2.0×2.3×1.0	PT
Pt100.DW.L200.2023.B.AP	B	100±0.12	-200~+150°C	±(0.3+0.005|t|)	2.0×2.3×1.0	AP
Pt100.DW.L200.2023.2B.AP	2B	100±0.24	-200~+150°C	±(0.6+0.01|t|)	2.0×2.3×1.0	AP
Pt100.DW.M300.2023.A.AN	A	100±0.06	-50~+300°C	±(0.15+0.002|t|)	2.0×2.3×1.0	AN
Pt100.DW.M300.2023.B.AN	B	100±0.12	-50~+300°C	±(0.3+0.005|t|)	2.0×2.3×1.0	AN
Pt100.DW.M300.2023.2B.AN	2B	100±0.24	-50~+300°C	±(0.6+0.01|t|)	2.0×2.3×1.0	AN

Note: The accuracy grades and temperature measurement precision indicated are referenced to the IEC 60751 standard and are applicable within the specified ranges. They do not represent the precision across the entire temperature range. "t" refers to the measured temperature.

Lead Material: PN -- Platinum-Nickel lead; AN -- Silver-Nickel lead; PT -- Pure Platinum lead; AP -- Silver-Palladium lead

Component type	Thin film platinum resistor	Component size	2.0mmx2.3mmx1.0mm 1.6mmx2.0mmx1.0mm 1.2mmx2.0mmx1.0mm
Lead specification	Length 10mm Diameter 0.2mm	Lead material	Platinum nickel wire (silver target/pure platinum/silver nickel optional)
Lead pull force	≥9N	Insulation resistance	>100MΩ at 20°C >2MΩ at 500°C
TCR	3850ppm/°C	Operating current	0.3~1mA (self-heating should be considered)
Long-term stability	After 1000h at 500°C, the resistance drift of R(0°C) is ≤0.04%		
Response time	Water flow (v=0.4m/s) T0.5=0.05s T0.9=0.15S Air flow (v=2m/s) T0.5=3s T0.9=10S		
Self-heating coefficient	0°C 0.4°C/mW	Anti-vibration	Frequency acceleration from 10 to 2000Hz ≥ 40g
Shock resistance	8ms half-sine wave acceleration≥ 100g	Packaging	Vacuum plastic packaging (other packaging forms available upon request)
Other	Substrate size, basic resistance, lead specifications (available upon request)		