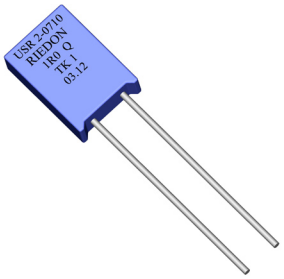
USR UNR 2-0710

Precision Foil Resistors



- **Resistances from 1Ohm to 150kOhms**
- **Power Rating to 0.6Watt**
- **Resistance Tolerances to ±0.005%**
- **TCR to ±1ppm/K**
- **Load Stability to 0.01%**

SPECIFICATIONS

Type	USR 2-0710		UNR 2-0710
Resistance Range	1.0 Ohms to 4.99 kOhms	5.0 kOhms to 150 kOhms	1.0 Ohms to 5.0 kOhms
Power rating (70°C)	0.4W (0.6W upon request)	0.6W	0.4W
Tolerances from 1.0 Ohms from 5.0 Ohms from 12.0 Ohms from 25.0 Ohms from 50.0 Ohms	 0.1% / 0.25% / 0.5% / 1% 0.05% / 0.1% / 0.25% / 0.5% / 1% 0.02% / 0.05% / 0.1% / 0.25% / 0.5% / 1% 0.01% / 0.02% / 0.05% / 0.1% / 0.25% / 0.5% / 1% 0.005% / 0.01% / 0.02% / 0.05% / 0.1% / 0.25% / 0.5% / 1%		
Stability	0.01%		
Shelf Life Stability	25ppm / ΔR after 1 year 50ppm / ΔR after 3 year		
Temperature Coefficient	max. ±5ppm/K (-55 to 155°C) typ. ±3ppm/K (-55 to 125°C) upon request ±1ppm/K (0 to 60°C) and ±1ppm/K (-55 to 125°C)		
Insolation Resistance	> 10GOhm		
Thermal EMF	< 0.1µV/K		
Operating Temperature Range	-55 to 155°C		
Resistor Material	NiCr-Foil		
Substrate	Al_2O_3		AlN
Housing	PBTP / Epoxy		
Connector Material	Cu tinned		
Terminals	2		
Notes			Specially designed for applications with fast changing electrical load

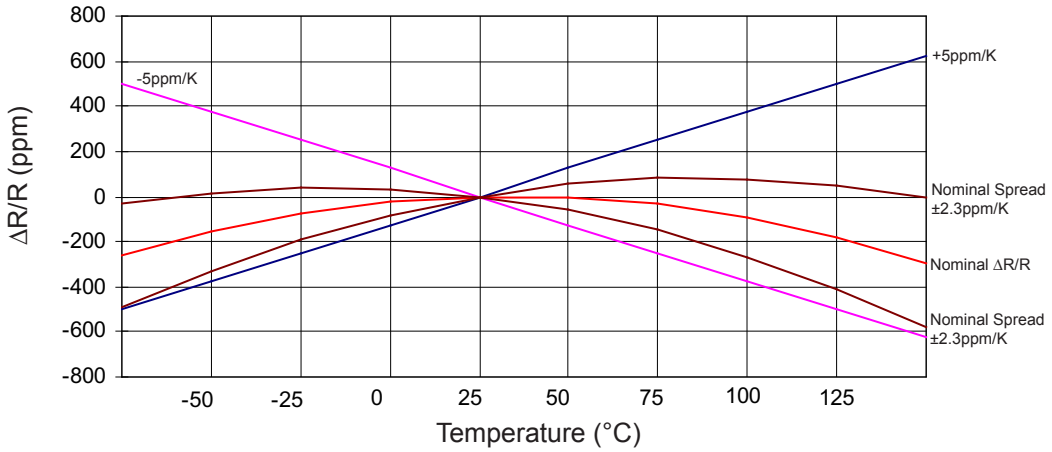
Ordering Information

Part Number - Resistance - Contact - Tolerance - TCR
UNR 2-0710 3.7Ohms J 0.5% 1ppm

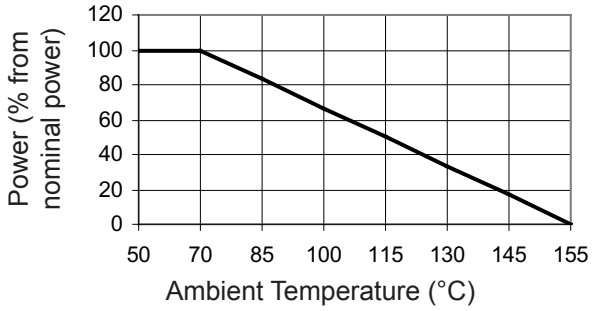
Grid (E) 3.81mm (0.15inches) = D
Grid (E) 5.08mm (0.2inches) = J

SPECIFICATIONS (continued)

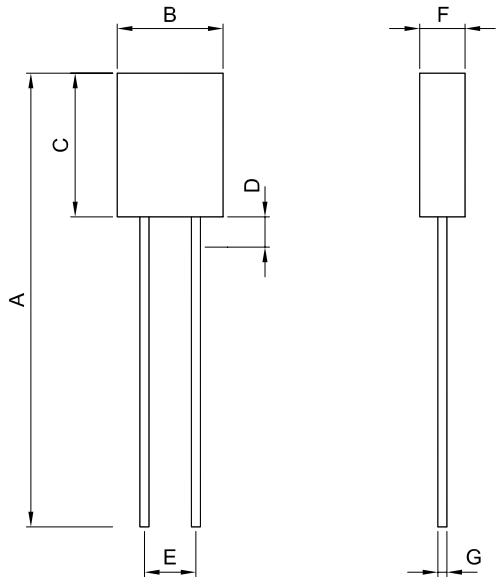
Temperature Coefficient



Derating



Dimensions



Dimension	mm	tol. (±mm)	inches	tol. (±inches)
A	30.00	2.0	1.18	0.079
B	7.00	0.1	0.28	0.004
C	9.50	0.2	0.37	0.008
D	2.00	0.1	0.08	0.004
E1	3.81	0.1	0.15	0.004
E2	5.08	0.1	0.20	0.004
F	3.00	0.1	0.12	0.004
G	Ø0.60	0.1	Ø0.02	0.004