

FEATURES

- Resistances from 0.10hm to 1000hms
- Power Rating to 0.8Watt
- Resistance Tolerances to ±0.01%
- TCR to ±1ppm/K
- Load Stability to 0.01%





TABLE 1—SPECIFICATIONS					
TYPE		USR 4-14	10	UNR 4-1410	
Resistance Range			0.1 to 100 Ohms		
Power Rating	Free air 70°C	0.8 W	0.8 W		
Tolerances from 0.1 Ohms from 10.0 Ohms from 50.0 Ohms		0.05% / 0.1% / 0.25	0.1% / 0.25% / 0.5% / 1% 0.05% / 0.1% / 0.25% / 0.5% / 1% 0.01% / 0.02% / 0.05% / 0.1% / 0.25% / 0.5% / 1%		
Stability (1000h)		0.01	0.01		
Shelf Life Stability			25ppm / ΔR after 1 year 50ppm / ΔR after 3 year		
Temperature Coefficient		typ. ±3ppm/K (-55 t	max. ±5ppm/K (-55 to 155°C) typ. ±3ppm/K (-55 to 125°C) upon request ±1ppm/K (25 to 60°C)		
Insolation Resistance		> 10 GOHM	> 10 GOHM		
Thermal EMF		< 0.1µV/K	< 0.1µV/K		
Operating Temperature Range		-55 to 155°C	-55 to 155°C		
Resistor Material		NiCr-Foil	NiCr-Foil		
Substrate		Al ₂ O ₃		AIN	
Housing		PBTP / Epoxy	PBTP / Epoxy		
Connector Material		Cu / tinned	Cu / tinned		
Terminals		4 (standard contact	4 (standard contact X / flat leads)		
Notes				Specially designed for applications with fast changing electrical load	

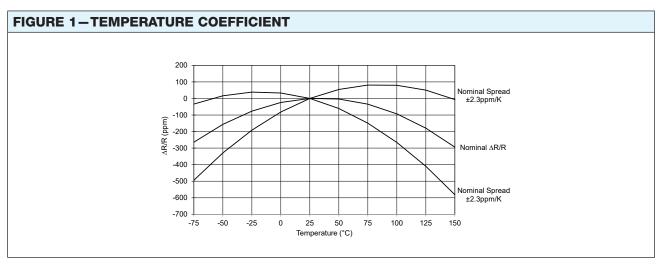
ORDERING INFORMATION

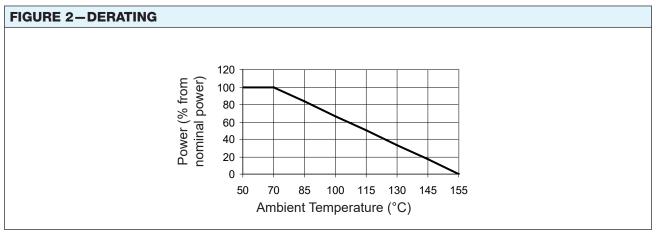
Part Number - Resistance - Contact - Tolerance - TCR (if not standard)

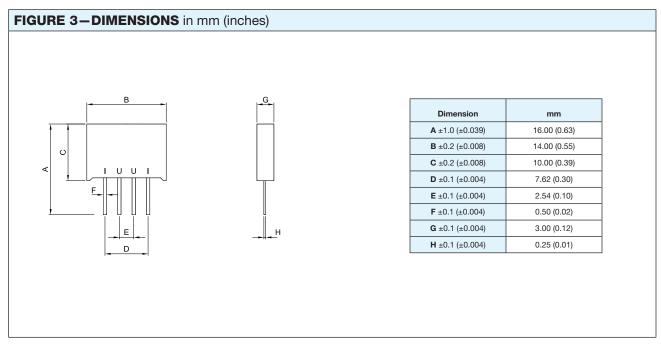
UNR 4-1410 0R100 X 0.5%

UNR 4-1410 0R100 X 0.5% 1ppm/K (25 to 60°C)











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Document No.: 63999 Revision: 15-Jul-2014