

FEATURES

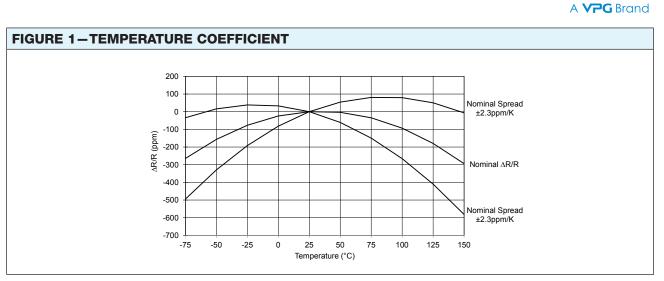
- Resistances from 0.050hm to 5000hms
- Power Rating to 50Watt
- Resistance Tolerances to ±0.01%
- TCR to ±1ppm/K
- Load Stability to 0.01%

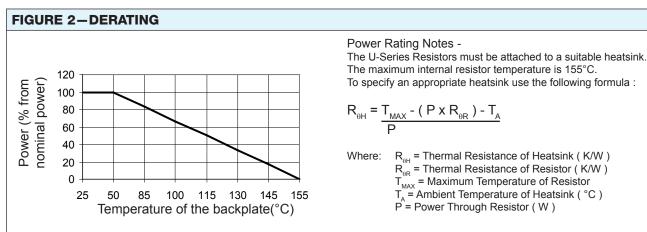


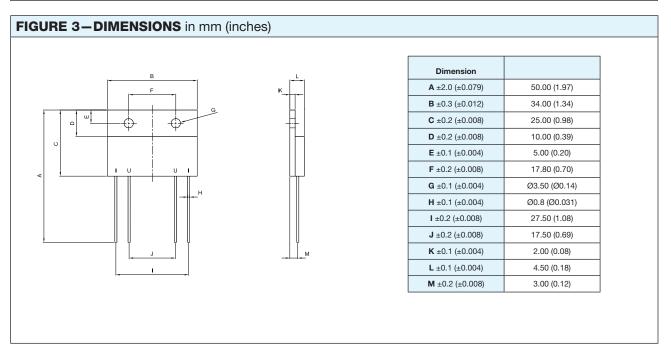


TABLE 1-SPE	CIFICATIONS				
ТҮРЕ		USR 4-3425	UNR 4-3425		
Resistance Range			0.05 to 650 Ohms other resistance values upon request / power rating depending on resistance value		
Power Rating	Free air 70°C	3W (available with heat	3W (available with heat sink on backside: 5W)		
	With heatsink	30W	50W		
Tolerances from 0.05 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%		
Thermal Resistance		3.5 K/W	2.1 K/W		
Stability (1000h)		0.01%	0.01%		
Shelf Life Stability		50ppm / ΔR after 3 yea	25ppm / ΔR after 1 year 50ppm / ΔR after 3 years		
Temperature Coefficient		typ. ±3ppm/K (-55 to 1 typ. ±1ppm/K (25 to 60	max. ±5ppm/K (-55 to 155°C) typ. ±3ppm/K (-55 to 125°C) typ. ±1ppm/K (25 to 60°C) upon request ±1ppm/K (0 to 60°C)		
Voltage Proof		750 VDC			
Maximum Current		15A			
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		Epoxy + Al-heatsink	Epoxy + Al-heatsink		
Connector Material		Cu / tinned	Cu / tinned		
Terminals		4 (standard contact D)	4 (standard contact D)		
Max. Torque		1 Nm	1 Nm		
Notes			Specially designed for ap- plications with fast changing electrical load		

ORDERING INFORMATION			
Part Number - Resistance - Contact - Tolerance - TCR (if not standard)			
USR 4-3425 10R000 D 0.5% 1ppm/K (0 to 60°C)			







OWERTRON



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 FHR 4-3825 0R010 A 1% Q
 FHR 4-2321 0R010 S 1% Q

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 FPS 4-T220 0R010 S 1% Q
 SPR 4-T220 0R100 S 1% M
 FHR 4-3825 0R010 A 1% Q
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