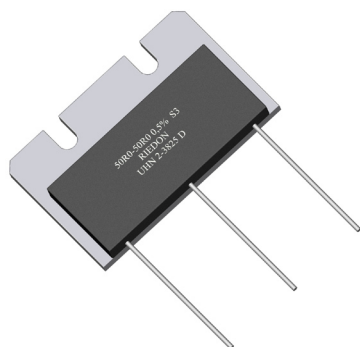


UHN 2-3825D

Precision Shunt Resistors



- Resistances from 50Ohm
- Power Rating to 30Watt
- Resistance Tolerances to $\pm 1\%$
- TCR to $\pm 5\text{ppm/K}$
- Load Stability to 0.01%
- Customized Resistance Values
- Twin Resistor Construction

SPECIFICATIONS

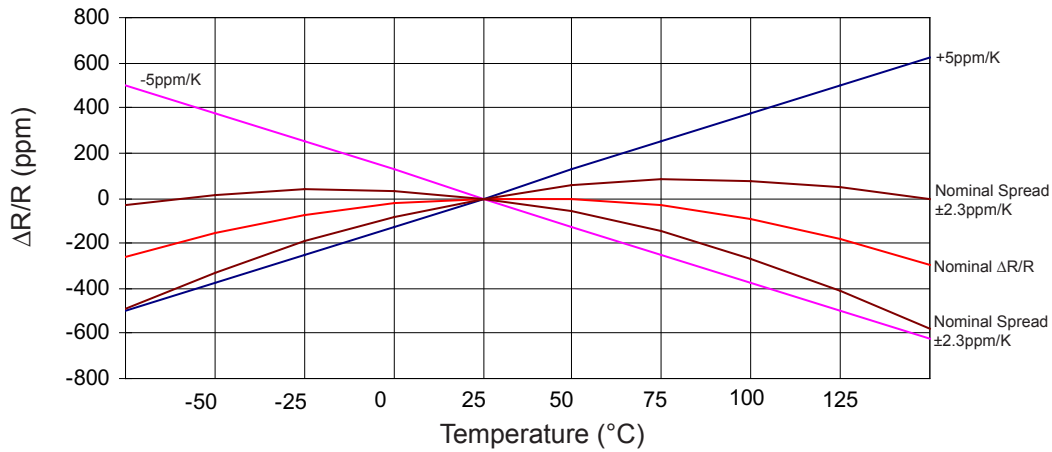
Type	UHN 2-3825D
Resistance Range	50 Ohms (2x) Other values upon request
Power rating free air 70°C with heatsink	3 W 30 W
Thermal Resistance Rthj-c	3.5 K/W
Tolerances	1% (0.1% difference between the two resistances) Other tolerances upon request
Stability	0.01%
Temperature Coefficient	max. $\pm 5\text{ppm/K}$ (-55 to 155°C)
Voltage Proof	500 VDC
max. Current	15 A
Thermal EMF	$< 0.1\mu\text{V/K}$
Operating Temperature Range	-55 to 155°C
Resistor Material	NiCr-Foil
Substrate	Al_2O_3
Housing	Epoxy + Al-heatsink
Connector Material	Cu tinned
Terminals	3
Max. Torque	1.0 Nm

Ordering Information

Part Number - Resistance - Tolerance
UHN 2-3825D 50Ohms-50Ohms 0.5%

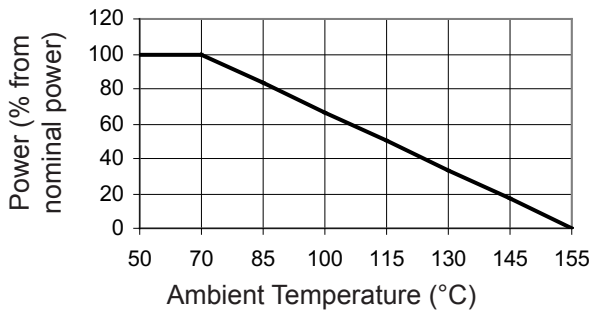
SPECIFICATIONS (continued)

Temperature Coefficient

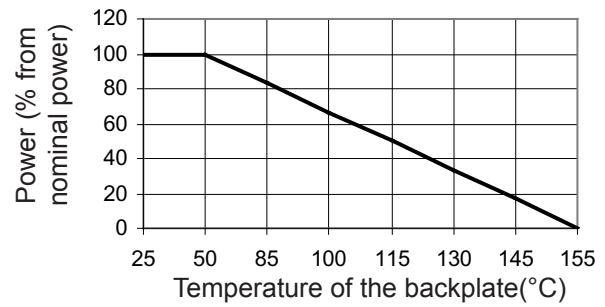


Derating

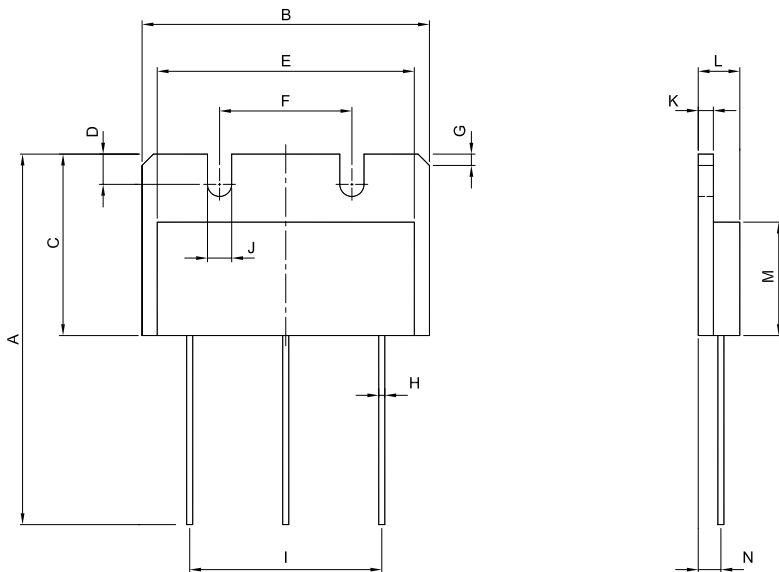
without Heatsink



with Heatsink



Dimensions



Dimension	mm	tol. (±mm)	inches	tol. (±inches)
A	49.00	2.0	1.93	0.079
B	38.00	0.3	1.50	0.012
C	24.00	0.2	0.94	0.008
D	4.00	0.1	0.16	0.004
E	34.00	0.3	1.34	0.012
F	17.50	0.2	0.69	0.008
G	1.5x45°	0.1	0.6x45°	0.004
H	∅0.8	0.1	∅0.031	0.004
I	25.40	0.2	1.00	0.008
J	∅3.2	0.1	∅0.126	0.004
K	2.00	0.1	0.08	0.004
L	5.50	0.1	0.22	0.004
M	15.00	0.2	0.59	0.008
N	3.00	0.2	0.12	0.008