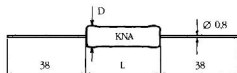
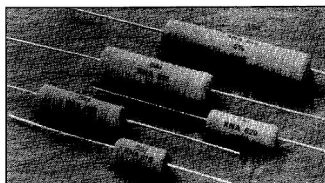




Main Features

- Entirely welded construction
- Resistance Range: 0R025 to 75K
- Tolerance: 5%
- On request: 2%, 1%, 0.5%
- Power Range: 3 W to 15 W
- Maximum reliability
- High long term stability
- Dielectric strength: > 1,000 V.ac.
- Insulation resistance: > 1,000 M
- Mechanical ruggedness
- Completely flameproof
- Unaffected by climatic changes
- Temperature coefficient: < 20 ppm/°C
- Permanent marking
- In agreement with Specs. CCTU 04-02C
- May be made to meet MIL-R-26E requirements



General Specifications Table

TYPES	MAXIMUM DIMENSIONS		POWER RATE FOR A HOT SPOT TEMPERATURE $T_{hs}=500^{\circ}\text{C}$		CLIMATIC RANGE		MAXIMUM WORKING VOLTAGE	TYPE MIL-R-26E	TYPE CCTU 04-02C
	D mm/inch	L mm/inch	AMBIENT TEMPERATURE 25°C	AMBIENT TEMPERATURE 70°C	Minimum	Maximum			
KNA 412	5,6/0,22	12,7/0,5	3 W	2,5 W	0R025	6K2	125 V	R0659	R099
KNA 615	8 /0,315	17 /0,67	5 W	4 W	0R025	12K	250 V		
KNA 620	8 /0,315	22 /0,866	6 W	5 W	0R056	18K	350 V		R061
KNA 626	8 /0,315	27,8/1,09	7 W	6 W	0R05	24K	500 V	R067	R057
KNA 633	8 /0,315	36 /1,42	8 W	6,5 W	0R06	33K	550 V		R060
KNA 643	8 /0,315	46 /1,81	10 W	8 W	0R09	43K	700 V		
KNA 833	10 /0,394	36 /1,42	10 W	8 W	0R09	43K	550 V		
KNA 844	10 /0,394	47 /1,85	13 W	11 W	0R12	60K	700 V	R068	R058
KNA 853	10 /0,394	56 /2,2	15 W	12,5 W	0R15	75K	850 V		

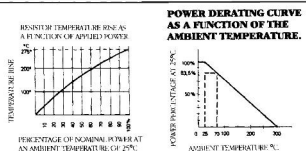
KNA Series Electrical Data & Performance

VALUE	Temperature Coefficient
$\geq 10R$	$\pm 20 \text{ ppm}/^{\circ}\text{C}$
1R 9R9	$\pm 50 \text{ ppm}/^{\circ}\text{C}$
0R1 0R99	$\pm 90 \text{ ppm}/^{\circ}\text{C}$
<0R1	$\pm 400 \text{ ppm}/^{\circ}\text{C}$

In accordance with Normes CCTU-04-02 C MIL R 26 E specifications

load life		
Nominal Power Rate 1.5 h. ON - 0.5 h. OFF	1,000 hours $\Delta R \leq 5\%$	2,000 hours $\Delta R \leq 5\%$
Long term damp heat 56 days at 40°C	$\Delta R < 0,6\%$	$\Delta R < 0,6\%$
Relative humidity 93%		
Short term overload 10 Wn - 5 seg.	$\Delta R < 0,5\%$ KNA 412 < 2%	$\Delta R < 0,5\%$ KNA 412 < 2%
Insulation resistance	> 1000 M	> 1000 M
Dielectric strength	> 1,000 V.ac.	> 1,000 V.ac.
Mechanical test	In accordance with CCTU 01-01A Specs.	In accordance with MIL STD-202

NOTE—The information contained herein may be changed without prior notice.



KSA Non-Inductive Type

- Low inductance Ayrton Perry winding. Maximum working voltage is reduced to 70% of KNA one.
- Standard tolerance: 10%

Minimum and Maximum Resistance Values			
Model	R min.	R max.	Maximum Voltage
KSA 412	0R22	240R	87V
KSA 615	0R47	470R	175V
KSA 620	0R68	680R	245V
KSA 626	1R0	910R	350V
KSA 633	1R3	1K2	385V
KSA 643	1R8	1K6	490V
KSA 833	1R8	1K6	385V
KSA 844	2R4	2K4	490V
KSA 853	3R0	3K0	595V