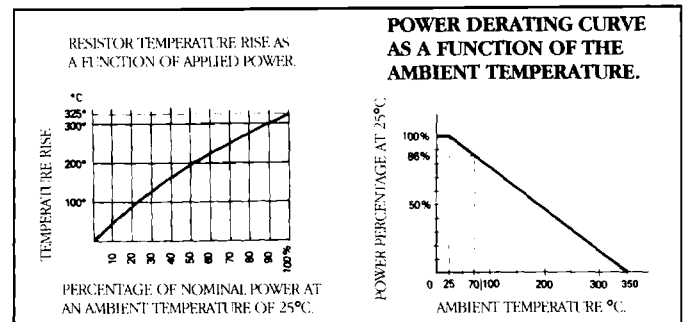
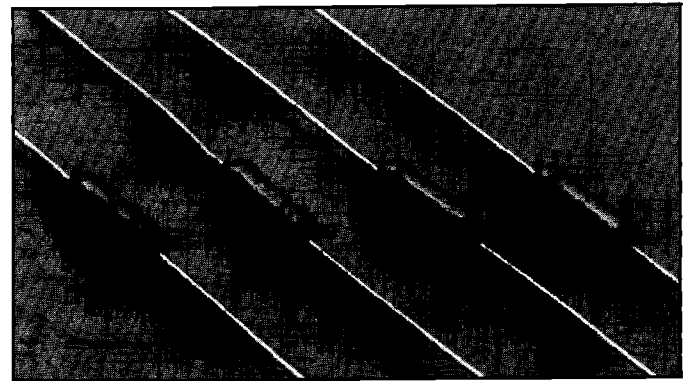
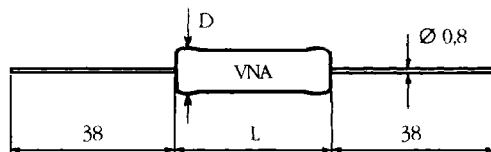


Main Features

- Entirely welded structure
- Ohmic range: 0R1 to 75K
- Tolerance: 5%
On request: 2%, 1%
- Power Range: 4 W to 21 W
- Maximum reliability
- High long term stability
- Great dielectric strength
- Excellent insulation resistance
- Capability to withstand heavy overload surges
- Mechanical ruggedness
- Completely flameproof
- Unaffected by climatic changes
- Low temperature coefficient
- Permanent marking
- In agreement with CCTU 04-02C requirements

May be manufactured to meet the performance and reliability specifications of MIL R-26-E



General Specifications Table

TYPES	MAXIMUM DIMENSIONS		POWER RATE FOR A HOT SPOT TEMPERATURE $T_{hs}=300^{\circ}\text{C}$		OHMIC RANGE		MAXIMUM WORKING VOLTAGE	TYPE MIL R26E	TYPE CCTU 04-02C
	D mm/inch.	L mm/inch.	AMBIENT TEMPERATURE 25°C	AMBIENT TEMPERATURE 70°C	Minimum	Maximum			
VNA 412	5,6/0,22	12,7/0,5	4 W	3,3 W	0R1	6K2	125 V	RW69	RB59
VNA 615	8 /0,315	17 /0,67	6 W	5, W	0R1	12K	250 V		
VNA 620	8 /0,315	22 /0,866	7 W	6 W	0R1	18K	350 V		RB61
VNA 626	8 /0,315	27,8/1,09	8 W	7 W	0R1	24K	500 V	RW67	RB57
VNA 633	8 /0,315	36 /1,42	9 W	8 W	0R1	33K	550 V		RB60
VNA 643	8 /0,315	46 /1,81	12 W	10 W	0R1	43K	700 V		
VNA 833	10 /0,394	36 /1,42	12 W	10 W	0R1	43K	550 V		
VNA 844	10 /0,394	47 /1,85	15 W	13 W	0R15	60K	700 V	RW68	RB58
VNA 853	10 /0,394	56 /2,2	18 W	15 W	0R18	75K	850 V		

VNA Series Electrical Data & Performance

In accordance with	CCTU-04-02 C	MIL R-26 E
Load Life		
Nominal Power Rate	1.000 hours	2.000 hours
1.5 h. ON - 0,5 h. OFF	$\Delta R \leq 5\%$	$\Delta R \leq 3\%$
Long term damp heat	$\Delta R < 0,4\%$	$\Delta R < 0,4\%$
56 days at 40°C		
Relative humidity 93%		
Short term overload	$\Delta R < 0,3\%$	$\Delta R < 0,3\%$
10 Wn - 5 seg.		
Insulation resistance at 500 V.d.c.	$> 400 \text{ M}\Omega$	$> 400 \text{ M}\Omega$
Dielectric strength	$> 1,000 \text{ V.d.c.}$	$> 1,000 \text{ V.a.c.}$
Mechanical tests	In accordance with CCTU 01-01A Specifications	In accordance with MIL STD-202 Specifications

Temperature Coefficient
 $R \geq 10 \text{ R} : \text{T.C.} \leq \pm 30 \text{ ppm}/^{\circ}\text{C}$
 R between 1R0 & 9R9: $\text{T.C.} \leq \pm 50 \text{ ppm}/^{\circ}\text{C}$
 R between 0R1 & 0R99: $\text{T.C.} \leq \pm 90 \text{ ppm}/^{\circ}\text{C}$

VSA Non-Inductive Type

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

Minimum and Maximum Resistance Values			
Model	R min.	R max.	Maximum Voltage
VSA 412	0R75	240R	87V
VSA 615	1R5	470R	175V
VSA 620	2R2	680R	245V
VSA 626	3R3	910R	350V
VSA 633	4R3	1K2	385V
VSA 643	5R6	1K6	490V
VSA 833	5R6	1K6	385V
VSA 844	7R5	2K4	490V
VSA 853	9R1	3K0	595V