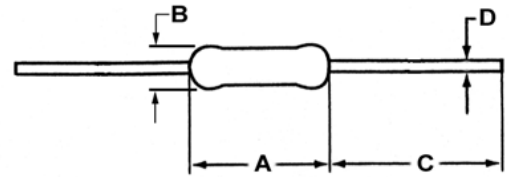


- Features:
- Miniature metal film for tight size constraints
  - Superior electrical, TCR performances
  - Flameproof silicone coating is standard
  - 1-watt part in 1/4-watt package,  
2-watt part in 1/2-watt package
  - RoHS compliant



Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage (1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
					0.5%	1%
RNS1	1.0W	350V	600V	±25 ppm/°C ±50 ppm/°C ±100 ppm/°C	100 - 511K	10 - 1M
RNS2	2.0W	350V	700V	±25 ppm/°C ±50 ppm/°C ±100 ppm/°C	100 - 511K	10 - 1M

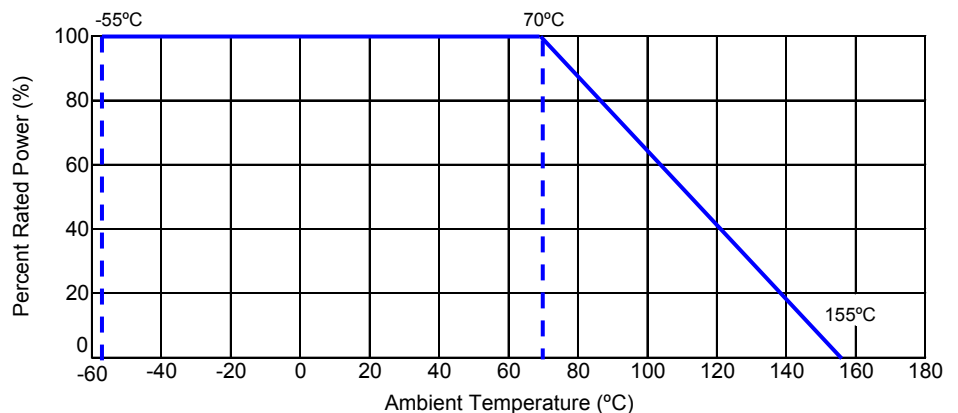
(1) Lesser of  $\sqrt{PR}$  or maximum working voltage

Mechanical Specifications					
Type / Code	A Body Length	B Body Diameter	C Lead Length (Bulk)	D Lead Diameter	Unit
RNS1	0.256 ± 0.028	0.091 ± 0.012	1.102 ± 0.079	0.022 ± 0.002	inches
	6.50 ± 0.70	2.30 ± 0.30	28.00 ± 2.00	0.56 ± 0.05	mm
RNS2	0.354 ± 0.020	0.138 ± 0.028	1.063 ± 0.118	0.026 ± 0.004	inches
	9.00 ± 0.50	3.50 ± 0.70	27.00 ± 3.00	0.65 ± 0.10	mm

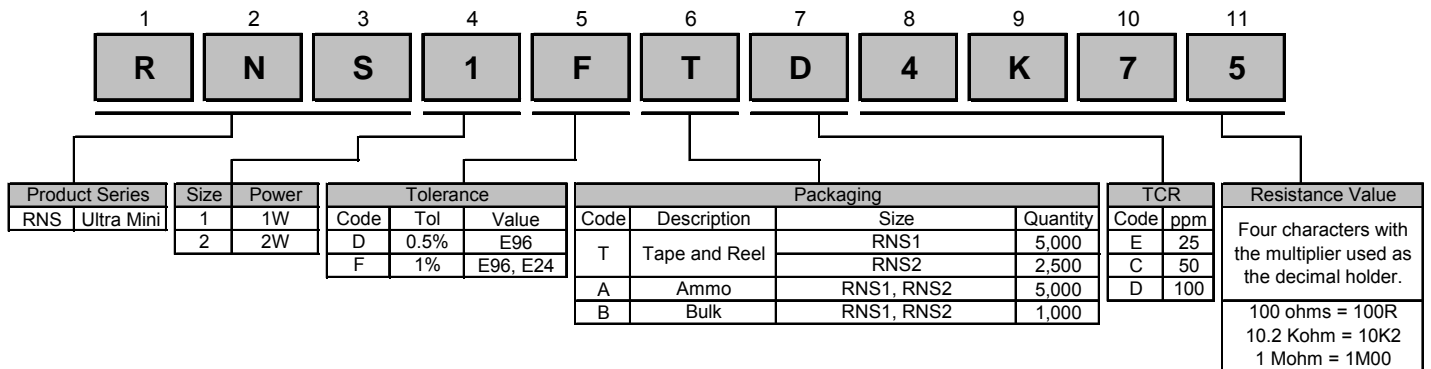
Performance Characteristics		
Test	Standard / Method	Requirement
Biased Humidity	MIL-STD 202, Method 103	± 1.5%
Resistance to Solder Heat	MIL-STD 202, Method 210	± 0.5%
Insulation Resistance	JIS C 5202 5.6	± 0.5%
Load Life	MIL-STD 202, Method 108	± 1.0%
Terminal Strength	MIL-STD 202, Method 211	± 0.2%
Temperature Cycling	JESD22 Method JA-104	± 1.0%
Moisture Resistance	MIL-STD 202, Method 106	± 0.5%

Operating Temperature Range: -55°C to +155°C

Power Derating Curve:



**How to Order**



Legacy Part Number (before January 3, 2011):

SEI Type		Code		TCR	Nominal Resistance	Tolerance	Packaging				
RNS		1		T1	4.75K	1%	R				
Type	Description	Code	Wattage	TCR		Tol	Values	Types	Qty	Description	Code
RNS	Ultra Mini	1	1W	T1	100ppm	0.5%	E96	RNS1	5,000	Tape and Reel	R
		2	2W	T2	50ppm	1%	E96, E24	RNS2	2,500		
				T9	25ppm			RNS1, RNS2	5,000	Ammo	T
								RNS1, RNS2	1,000	Bulk	A