

Feature

Model No. "NAT" is miniaturized carbon film resistor . Automatical insertion with 5 mm pitch for high density assembly is available.

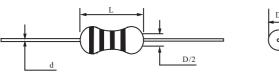


Power Rating

Model No.	Power Rating	Max. Working Voltage	Max. Overload Voltage	Max. Pulse Voltage	Resistance Range	Tolerance	Rating Ambient Temp.	Operating Temp. Range
	[W]	[V]	[V]	[V]	[Ω]	[%]	[°C]	[°C]
NAT 1/4	0.25	250	500	500	2.2∼ 100k 10∼ 100k	$\frac{\pm 5.0}{\pm 2.0}$	+70	-55~+155
NAT 1/2	0.50	300	600	600	1.0~ 100k 10~ 100k	$\begin{array}{r} \pm 5.0 \\ \pm 2.0 \end{array}$	+70	-55~+155

☆ Rated Voltage: $\sqrt{P \cdot R}$ (P=Rated power (W), R=Nominal resistance(Ω)) Rated Voltage shall be either the calculated rated voltage or Max. Working Voltage whichever less.

Dimensions



☆Body color : Brown

Model No.	Dimensions(mm)					
Widder No.	L	D	d			
NAT 1/4	3.4max	1.8 ± 0.2	0.45 ± 0.05			
NAT 1/2	6.3 ± 0.5	2.4 ± 0.2	0.6 ± 0.05			

Model Designation

NAT	1/4	102	J	TU
(1)	(2)	(3)	(4)	(5)

		Symbol	Meaning		
			MINIATURE PAINT		
1	Model No.	NAT	INSULATED FIXED CARBON		
			FILM RESISTORS		
	Power Rating	1/4	0.25W		
2 I	I Ower Katilig	1/2	0.5W		
		102	3 digit		
3	Resistance	102	E-24 Series		
	Teststanee	For detail description about resistance marking, please refer to "General Specifications."			
4	Tolerance	G	±2.0%		
	1 Olerance	J	±5.0%		
		TU,TP	Axial Taping		
	Forming,	RP	Radial Taping		
5	Packaging	For detail description about forming and taping specification, please refer to Taping Specification page in "General Specifications."			

