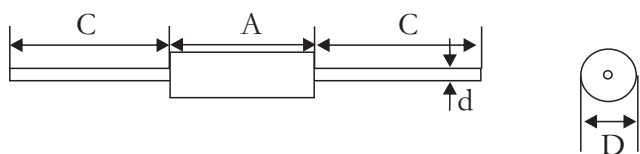


The design of the ART resistor provides a good balance of power density, stability and resistance to environment for a broad range of industrial power applications, such as drives and controls.

● Features

- I Good ratio between power capability and physical size
- II Wound to maximise high pulse capability
- III Low inductive versions available
- IV Available on tape and reel 1W to 5W or bulk
- V RoHS Compliant

● Dimensions



Type	Power (W)	Dimensions(mm)			
		A±1.5	C±1.0	d±0.02	D±0.8
ART01	1W	12.0	37.0	0.8	4.0
ART02	2W	13.8	35.0	0.8	4.7
ART03	3W	15.7	35.0	0.8	5.9
ART5S	5W	13.0	35.0	0.8	3.5
ART5L	5W	22.5	44.0	1.0	8.5
ART07	7W	24.5	44.0	1.0	8.5
ART10S	10W	43.7	35.0	1.0	8.5
ART10L	10W	46.2	33.0	1.0	10.5

● Ordering Information

Example:

ART	01	J	4R7	N
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance	

(1)Type: ART SERIES

(2)Power Rating: 01=1W、02=2W、03=3W、05=5W、07=7W、10=10W

(3)Tolerance: J=±5%,K=±10%

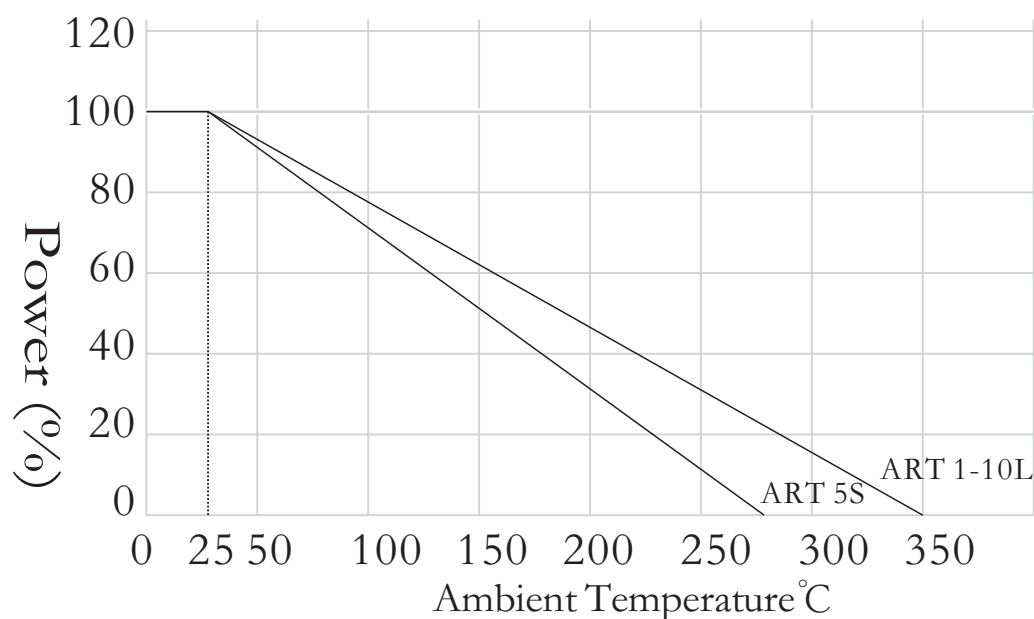
(4)Resistance Value:4R7=4.7R、R10=0.1Ω、47R0=47Ω

(5)N:Non inductive I:Inductive

Applications And Ratings

Type	Power(W)	Max working voltage (V)	Resistance range for 5% tolerance		Typical Inductance	
			Inductive	Non Inductive (N)	<50 ohms	>50 ohms
ART01	1W	50	R01 - 8K	R01 - 3K	0.2 μ H	0.37 μ H
ART02	2W	100	R01 - 10K	R01 - 4K	0.2 μ H	0.37 μ H
ART03	3W	200	R02 - 18K	R02 - 9K	0.3 μ H	0.6 μ H
ART5S	5W	160	R05 - 22K	R05 - 10K	0.3 μ H	0.6 μ H
ART5L	5W	400	R05 - 35K	R05 - 17K	0.3 μ H	0.6 μ H
ART07	7W	450	R06 - 50K	R06 - 25K	0.65 μ H	1.2 μ H
ART10S	10W	700	R1 - 70K	R1 - 35K	0.65 μ H	1.2 μ H
ART10L	10W	800	R5 - 100K	R3 - 50K	0.65 μ H	1.2 μ H

Derating Curve



Performance Characteristics

Tolerance (Code):	Standard J ($\pm 5\%$) and K ($\pm 10\%$); other tolerances available on request
Temperature coefficient:	<1R $\pm 90\text{ppm}/^\circ\text{C}$, 1R-10R $\pm 50\text{ppm}/^\circ\text{C}$, >10R $\pm 20\text{ppm}/^\circ\text{C}$
Insulation resistance:	1,000M ohms minimum dry, 100M ohms minimum after moisture test
Dielectric withstand voltage:	500V AC
MIL types:	Available upon request.
Short time overload	5x rated power for 5s for 3W size and smaller, 10 x rated power for 5s for 5W size and greater