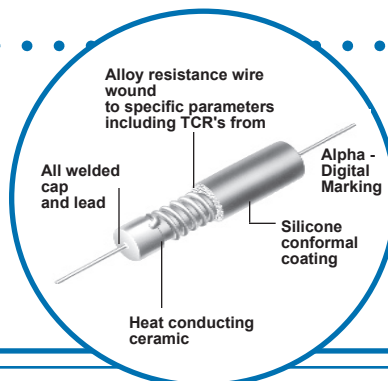


AS SERIES



SEMI-PRECISION POWER WIREWOUND RESISTOR

- 1/4 watt to 10 watts
- $\pm 5\%$, $\pm 3\%$, $\pm 1\%$, $\pm .5\%$ tolerance
- 0.1 ohm to 175K ohms
- Resistance wire TCR ± 20 ppm/ $^{\circ}\text{C}$
- RoHS-compliant version available



SPECIFICATIONS:

IRC Type	Similar MIL-R-26 Style	Power Rating 275 $^{\circ}\text{C}$ Max. Hot Spot		Commercial Range (ohms)		Non-Inductive Range (ohms)		Available Resistance (ohms)	
		125 $^{\circ}\text{C}$	25 $^{\circ}\text{C}$	Min.	Max.	Min.	Max.	0.5%, 1%	3%, 5%
AS-1/4	RW81	0.5	1	0.1	1.0K	*	*	1-1K	0.1-1K
AS-1/2		0.5	1	0.1	6.0K	*	*	1-6K	0.1-6K
AS-1	RW70U	1	2	0.1	7.5K	0.1	3.8K	1-7.5K	0.1-7.5K
AS-1C		1	2	.05	2K	*	*	1-2K	.05-2K
AS-2	RW79U	2	3	0.1	20K	0.5	10K	1-20K	0.1-20K
AS-2B		3	4	0.1	24K	0.5	12K	1-24K	0.1-24K
AS-2C		2	3	0.1	18K	0.2	7.5K	1-18K	0.1-18K
AS-3		3	5	0.1	30K	0.5	15K	1-30K	0.1-30K
AS-5	RW74U/	5	7	0.1	60K	0.8	30K	1-60K	0.1-60K
AS-7		7	9	0.1	90K	1.0	45K	1-90K	0.1-90K
AS-10	RW78U	10	14	0.1	175K	3.0	50K	1-175K	0.1-175K

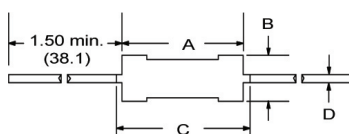
Inductance of AS-1/2 is less than 1 μH at 1MHz.
To order non-inductive types, add the prefix "N". Example: NAS-1, NAS-2C, etc.

* Typical inductance of AS-1C <5 ohms is < 1 μH .
Lower values available upon request.

DIMENSIONS (Inches and (mm)):

Please note lead length dimension change on the following two items only:

AS-2B 1.3 min
AS-2C 1.3 min



NOTE:

- Coating and marking is resistant to normal degreasing. Consult factory for special requirements.

IRC Type	A ± 0.032	B (max)	C (max)	D (Lead Diameter)
AS-1/4	0.250 (6.4)	0.094 (2.4)	0.312 (7.9)	0.020 (0.5)
AS-1/2	0.312 (7.9)	0.094 (2.4)	0.375 (9.5)	0.020 (0.5)
AS-1	0.367 (9.3)	0.125 (3.2)	0.429 (10.9)	0.020 (0.5) 0.025 (0.64)
AS-1C	0.256 (6.5)	0.115 (2.9)	0.303 (7.7)	0.025 (0.64) 0.032 (0.8)
AS-2	0.480 (12.2)	0.250 (6.3)	0.600 (15.2)	0.032 (0.8)
AS-2B	0.540 (13.7)	0.219 (5.6)	0.663 (16.6)	0.032 (0.8)
AS-2C	0.489 (11.0)	0.157 (4.0)	0.594 (15.1)	0.032 (0.8)
AS-3	0.687 (17.5)	0.282 (7.2)	0.812 (20.6)	0.040 (1.0)
AS-5	0.875 (22.2)	0.344 (8.8)	0.980 (24.9)	0.040 (1.0)
AS-7	1.250 (31.8)	0.344 (8.8)	1.375 (35.0)	0.040 (1.0)
AS-10	1.812 (46.0)	0.385 (9.8)	1.937 (49.2)	0.040 (1.0)

General Note

IRC reserves the right to make changes in product specification without notice or liability.
All information is subject to IRC's own data and is considered accurate at time of going to print.

WIREWOUND AND FILM TECHNOLOGIES DIVISION

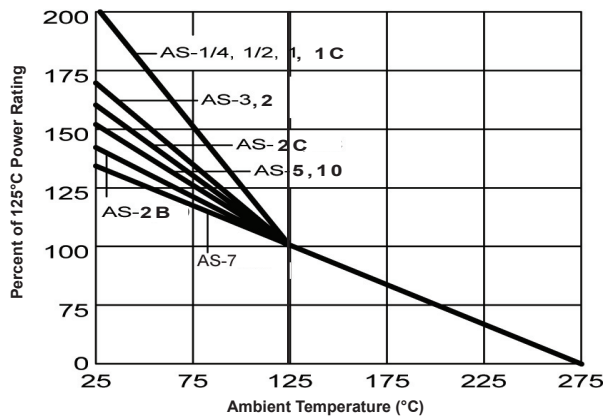
736 Greenway Road • Boone, North Carolina 28607-1860 • Tel: 828-264-8861 • Fax: 828-264-8866 • www.ircctt.com



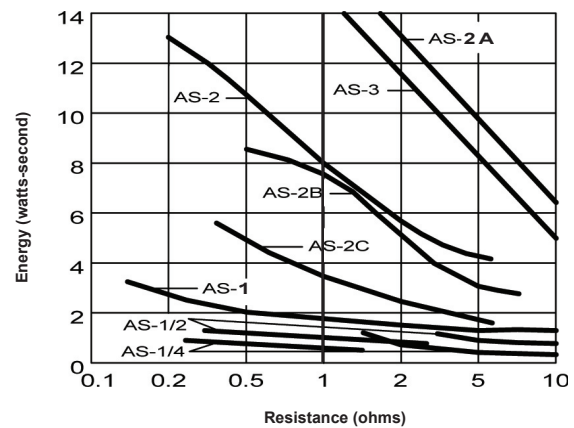
A subsidiary of TT electronics

1005

POWER DERATING:



SELECTED PULSE-HANDLING CAPABILITY @ 125°C:



ENVIRONMENTAL TESTING AT 25°C:

TEST CONDITION	MAX ΔR
Load Life 1000 hours	1.0%
Moisture Resistance	1.0%
Temperature Cycle	0.5%
Short Time Overload	0.5%
Low Temperature Operation	0.5%
Solder Heat	0.25%
Shock	0.5%
Vibration	0.5%

HOW TO ORDER:

Sample Part No.:

AS - 3 **27R0** **1%** **LF**
 Type _____
 Power _____
 3 = 3 watts
 (See specification chart for other power ratings)
 Resistance Value _____
 Expressed in ohms
 (Standard EIA/MIL Values)
 Tolerance _____
 ±5%, ±3%, ±1%, ±0.5%
 Lead Free Construction _____