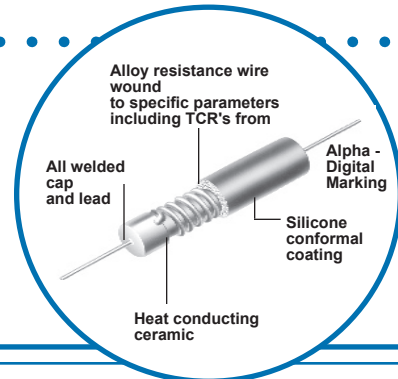


# AS SERIES



## 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  $\pm 20$  ppm/ $^{\circ}$ C
- RoHS-compliant version available



### SPECIFICATIONS:

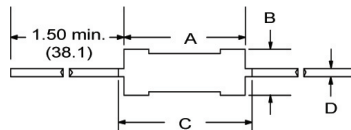
IRC Type	Similar MIL-R-26 Style	Power Rating 275 $^{\circ}$ C Max. Hot Spot		Commercial Range (ohms)		Non-Inductive Range (ohms)		Available Resistance (ohms)	
		125 $^{\circ}$ C	25 $^{\circ}$ C	Min.	Max.	Min.	Max.	0.5%, 1%	3%, 5%
AS-1/4	RW81	0.5	1	0.1	1.0K	*	*	1-1K	0.1-1K
AS-1/2		0.5	1	0.1	6.0K	*	*	1-6K	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 $\mu$ H 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 $\mu$ H.  
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 $\pm 0.032$	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.

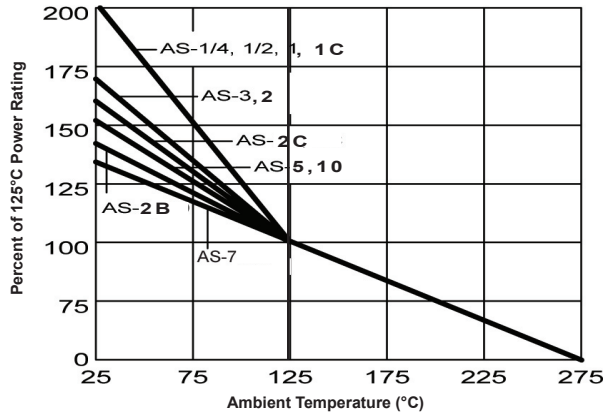
#### WIREWOUND AND FILM TECHNOLOGIES DIVISION

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

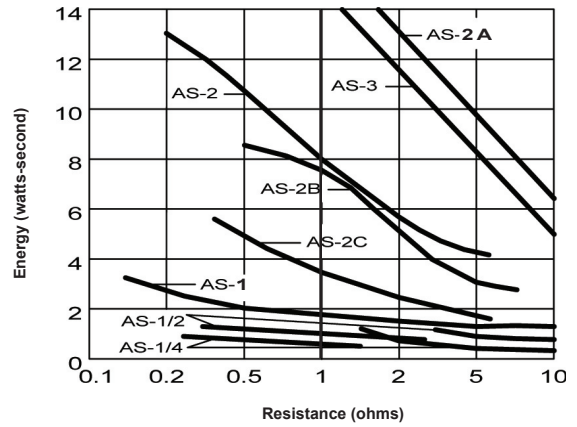


A subsidiary of TT electronics

**POWER DERATING:**



**SELECTED PULSE-HANDLING CAPABILITY @ 125°C:**

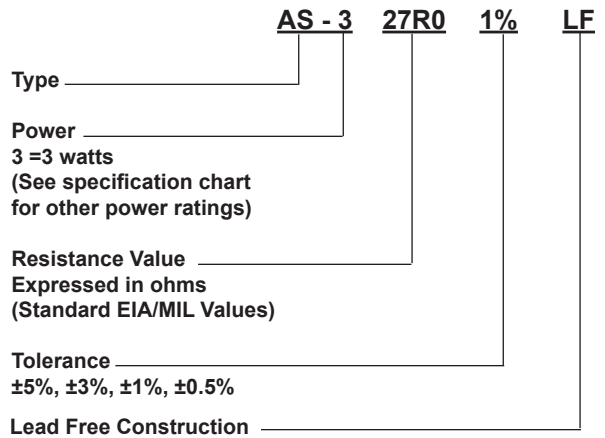


**ENVIRONMENTAL TESTING AT 25°C:**

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.:



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Carbon Film Resistors - Through Hole](#) category:*

*Click to view products by [IRC](#) manufacturer:*

Other Similar products are found below :

[150-04720](#) [OMT200L](#) [ON2725E](#) [CFR16J1K0](#) [CFR50J8K2](#) [CFS1/2C512J](#) [CFR200J120R](#) [CFR25J3M9](#) [CFR25J6R8](#) [CFR25J75R](#) [CFS1/4 C](#)  
[100 J](#) [CFR50J3M3](#) [OB1065](#) [OH4315](#) [LCA0207004701JD500](#) [LCA0207001002J2500](#) [LCA0207004701J2500](#) [LCA0414004700J2100](#)  
[CFR200G220R](#) [291-0.82-RC](#) [150-01011](#) [MFR5-560KFI](#) [Z16LT52R](#) [MFS14CC3300F](#) [MFS1/4CC6201F](#) [MFS1/4CC68R0F](#)  
[RNR55C3321FSM76](#) [MRS25000C1741FC100](#) [RWR80S1821FRB12](#) [RWR81S24R9FRS73](#) [RWR89S1000FRS73](#) [NMO100J273TRF](#) [CFR-](#)  
[25JB-52-4K3](#) [CFR-25JB-52-4R7](#) [CFR-50JB-52-4R7](#) [SPR1C391J](#) [SPR1CT52A472J](#) [SPR1CT52R1002F](#) [SPR1CT52R100J](#) [SPR1CT52R102J](#)  
[SPR1CT52R103J](#) [SPR1CT52R220J](#) [SPR1CT52R222J](#) [SPR1CT52R332J](#) [SPR1CT52R471J](#) [SPR1CT52R561J](#) [SPR2C103J](#) [SPR2C183J](#)  
[SPR2C680J](#) [SPR2CT521R181J](#)