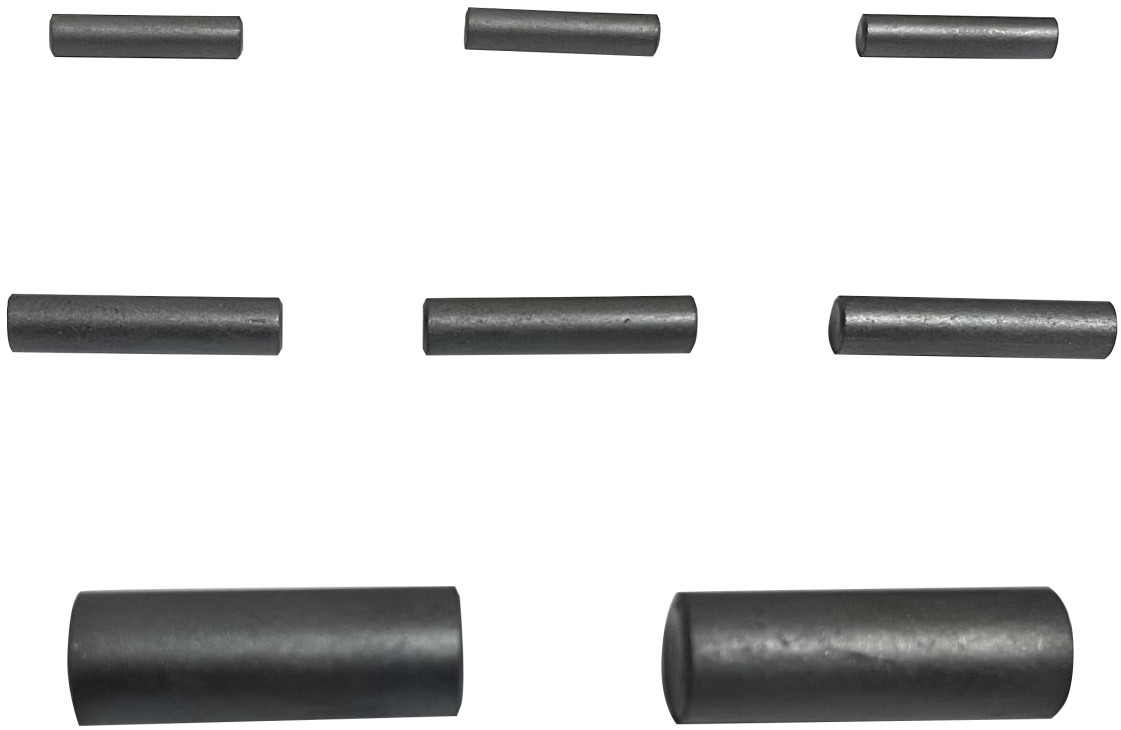
FERRITE CORE FOR EMI SUPPRESSION

Rod series



StricTron

Strictron Electronics Limited

S02-AN04-R01

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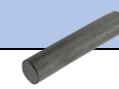

General notices

• The described product is designed for general use only, using in safety-critical, high-reliability or particular applications shall be pre-evaluated by customer.
• Strictron products are unilaterally subject to Strictron standards and are also compliant with common industry standards, demand or expectation from customer side is not warranted.
• Independent reliability of the described product is ensured by Strictron, risks or losses arising during or after particularly or unnormally applying the product, as well as arising from the finished module or product installed the described products, are always beyond the responsibility of Strictron.
• Please conduct validation and verification in actual condition of mounting and operating environment before widely use the described product in mass production.

Product introduction

Ferrite core mainly includes nickel zinc ferrite core and manganese zinc ferrite core. Nickel zinc ferrite core is suitable for suppressing electromagnetic interference in high frequency band. It has different impedance characteristics at different frequencies. Generally, the impedance is very small at low frequency points. When the frequency increases, the impedance of the it goes up sharply.

Rod ferrite cores are generally used to wind wire as antenas, the antena can receive electormagnetic wave and it has good performance in absorbing electormagnetic wave. Ferrite rod antena has good directivity, it can improve the anti-interference ability of devices to a great degree.

Besides, the antena wound with rod ferrite core is able to amplify high frequency signals, which makes the sound loudest at certain frequency points and meawhile reduces noises.Thus it's commonly-used in radios or similar applications.

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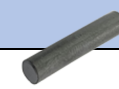
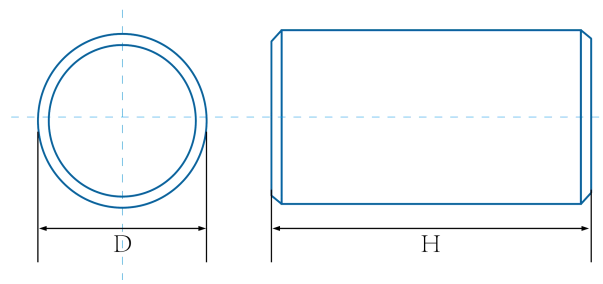


Part number naming rules

AN**	R	D	*	H
Category	Rod series	Diameter		Height

Drawing and dimension marks

Physical photo	Planar graph
Eg: 	
Diameter ranges from 0.8mm to 12mm.	
Height ranges from 4.8mm to 50mm.	

Remark:

The product lineup down below is for general choices, non-mentioned sizes and different material types are available as per demands. The listed information in the sheets hereinafter are for reference only. Should you not find what you need here, get in touch with us for further inquiries.

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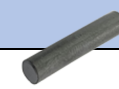

Product parameter lineup

R - Rod series

Part code	D (mm) - Diameter	H (mm) - Height
R 0.8*4.8	0.8±0.3	4.8±0.3
R 1.2*6	1.2±0.2	6±0.3
R 2*10	2±0.2	10±0.5
R 2*14	2±0.2	14±0.5
R 2.5*20	2.5±0.2	20±0.8
R 3*10	3±0.2	10±0.5
R 3*15	3±0.2	15±0.5
R 3*20	3±0.2	20±0.8
R 3*36	3±0.2	36±1.0
R 4*15	4±0.2	15±0.5
R 4*20	4±0.2	20±0.8
R 4*25	4±0.2	25±0.8
R 5*10	5±0.3	10±0.5
R 5*12.5	5±0.3	12.5±0.5
R 5*15	5±0.3	15±0.5
R 5*20	5±0.3	20±0.8
R 5*25	5±0.3	25±0.8
R 5*30	5±0.3	30±1.0
R 6*8	6±0.3	8±0.3
R 6*10	6±0.3	10±0.5
R 6*15	6±0.3	15±0.5
R 6*18	6±0.3	18±0.5

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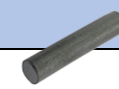

Product parameter lineup

R - Rod series

Part code	D (mm) - Diameter	H (mm) - Height
R 6*20	6±0.3	20±0.8
R 6*25	6±0.3	25±0.8
R 6*30	6±0.3	30±1.0
R 6*38	6±0.3	38±1.0
R 7*25	7±0.3	25±0.8
R 7.3*30	7.3±0.3	30±1.0
R 8*20	8±0.3	20±0.8
R 8*25	8±0.3	25±0.8
R 8*30	8±0.3	30±1.0
R 8*32	8±0.3	32±1.0
R 9.5*19	9.5±0.3	19±0.5
R 9.5*31.75	9.5±0.3	31.75±1.0
R 10*20	10±0.4	20±0.8
R 10*30	10±0.4	30±1.0
R 10*40	10±0.4	40±1.5
R 10*50	10±0.4	50±1.5
R 12*40	12±0.4	40±1.5