



SYNTON-TECH CORPORATION

FERRITE BEADS

File No.:	RH-02
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Date:	2021.01.01

1. FEATURES

- Through Hole Leaded Ferrite Bead.
- Most Economical Component For Through-Hole Applications Requiring Discrete Signal Filtering.
- Over 50 Ohms Impedance At 100 MHz.
- Higher Current Carrying Capability Than Surface Mount Devices.
- Can Be Taped And Reeled For Auto Insertion.

2. APPLICATION

- Filtering Of Power Input Pins Of Oscillators Or Logic Devices Using High Speed Clocks.
- Filtering Of Low Frequency Input / Output Signals Entering / Exiting Shielded Enclosures.
- High Frequency Filtering Of Medium Speed Clocks And Video Signals.
- Preventing Oscillations In High Frequency Amplifiers.

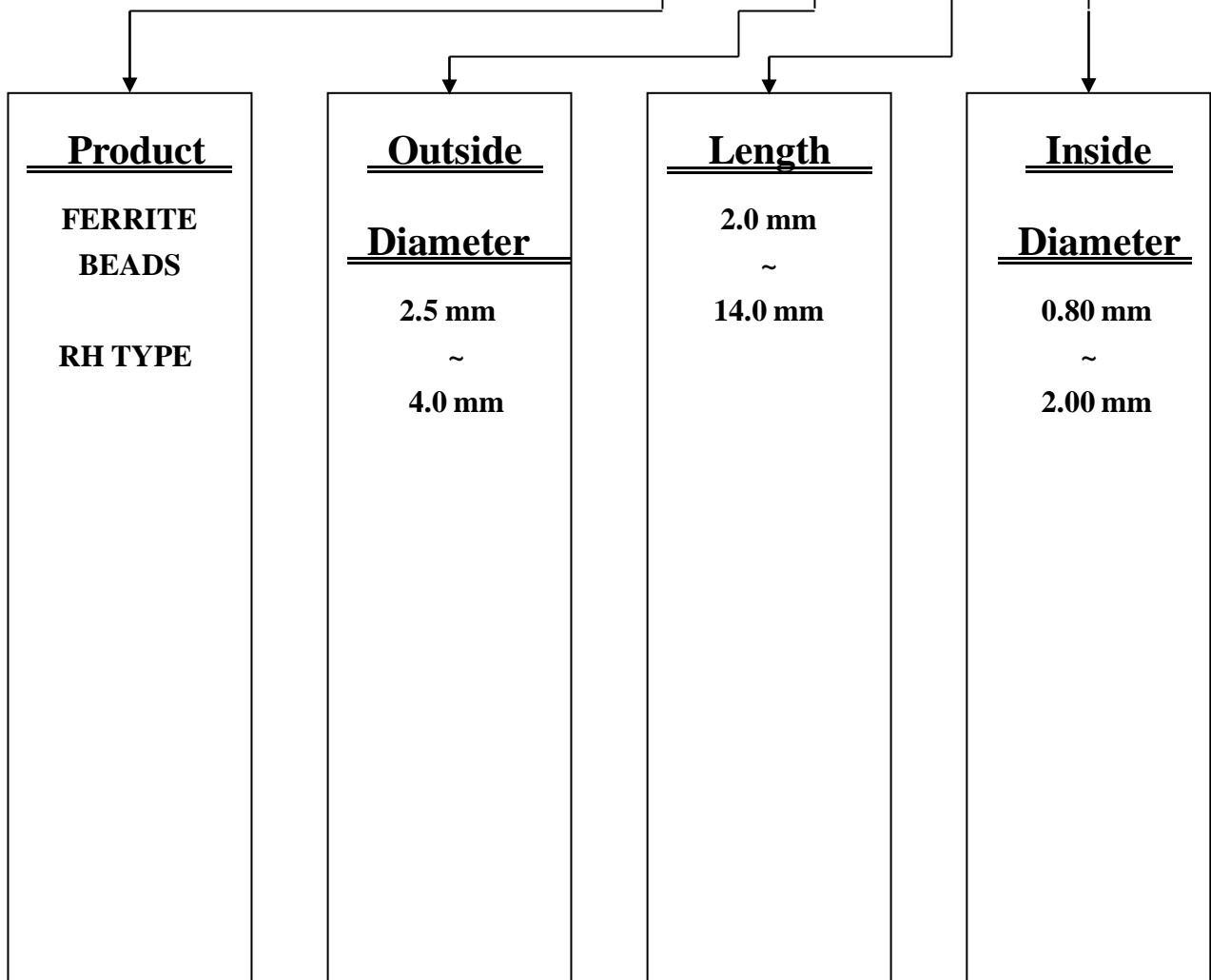
APPROVED	CHECKED	DESIGNED	REMARK	DOCUMENT NO.
Carol	May	Chen		0201010119



3. EXPLANATIONS OF ORDERING CODE

Example : DESCRIPTION : RH 3.5 X 6 X 0.8

SYNTON CODE : RH 3.5 x 6 x 0.8





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4. CHARACTERISTICS

- (1) **Impedance Range**
50 ohms to 150 ohms.

- (2) **Current Rating**
3.0 Amps max.

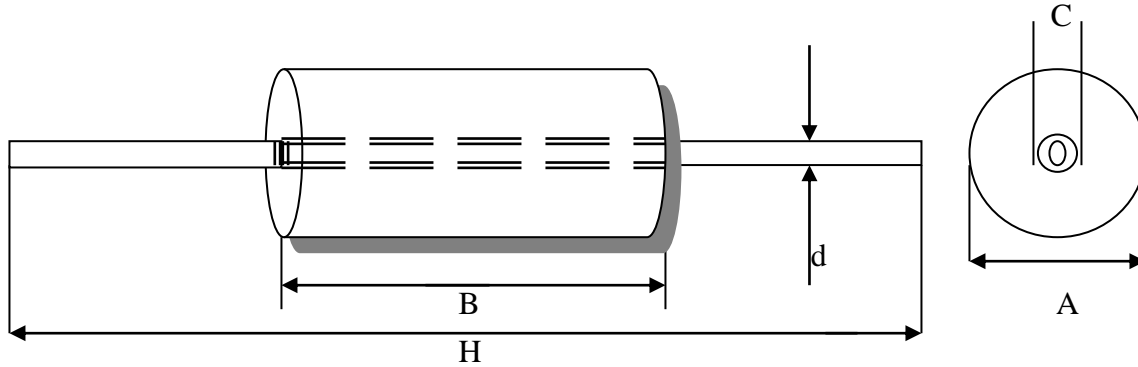
- (3) **Operating Temperature**
-20°C to 80°C.

- (4) **Terminal Strength**
2.27kg min.

- (5) **Test Equipment**
HP 4191A RF Impedance analyzer.



5. DIMENSIONS



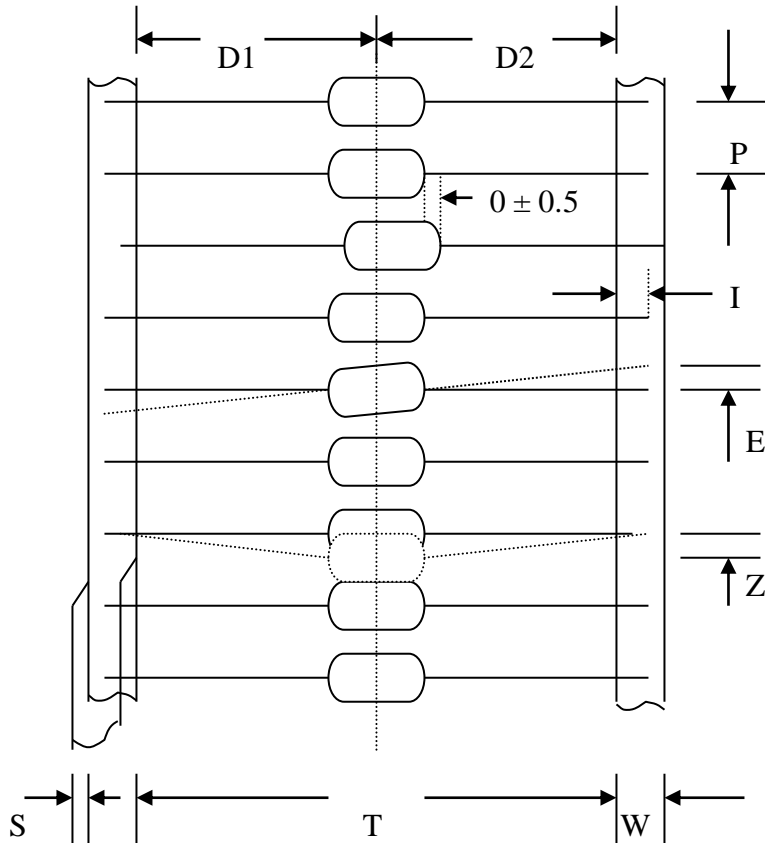
Unit: m/m

TYPE	A	B	C	H	d
3.5x4.7x0.8	3.5 ± 0.20	4.7 ± 0.30	0.8 ± 0.15	62.0 ± 2.0	0.65 ± 0.05
3.5x5.0x0.8	3.5 ± 0.20	5.0 ± 0.30	0.8 ± 0.15	62.0 ± 2.0	0.65 ± 0.05
3.5x6.0x0.8	3.5 ± 0.20	6.0 ± 0.30	0.8 ± 0.15	62.0 ± 2.0	0.65 ± 0.05
3.5x7.5x0.8	3.5 ± 0.20	7.5 ± 0.30	0.8 ± 0.15	62.0 ± 2.0	0.65 ± 0.05
3.5x8.0x0.8	3.5 ± 0.20	8.0 ± 0.30	0.8 ± 0.15	62.0 ± 2.0	0.65 ± 0.05
3.5x9.0x0.8	3.5 ± 0.20	9.0 ± 0.30	0.8 ± 0.15	62.0 ± 2.0	0.65 ± 0.05
3.0x2.0x1.0	3.0 ± 0.20	2.0 ± 0.20	1.0 ± 0.15	-----	-----
3.5x2.0x1.2	3.5 ± 0.20	2.0 ± 0.20	1.2 ± 0.15	-----	-----
3.5x3.0x1.2	3.5 ± 0.20	3.0 ± 0.20	1.2 ± 0.15	-----	-----
3.5x4.0x1.2	3.5 ± 0.20	4.0 ± 0.30	1.2 ± 0.15	-----	-----
3.5x6.0x1.2	3.5 ± 0.20	6.0 ± 0.30	1.2 ± 0.15	-----	-----
3.5x3.0x1.3	3.5 ± 0.20	3.0 ± 0.20	1.3 ± 0.15	-----	-----
3.5x3.0x1.4	3.5 ± 0.20	3.0 ± 0.20	1.4 ± 0.15	-----	-----
3.5x3.0x1.5	3.5 ± 0.20	3.0 ± 0.20	1.5 ± 0.15	-----	-----
3.5x4.0x1.5	3.5 ± 0.20	4.0 ± 0.20	1.5 ± 0.15	-----	-----
3.5x5.0x1.2	3.5 ± 0.20	5.0 ± 0.30	1.2 ± 0.15	-----	-----
3.5x5.0x1.5	3.5 ± 0.20	5.0 ± 0.30	1.5 ± 0.15	-----	-----
3.5x3.0x1.7	3.5 ± 0.20	3.0 ± 0.20	1.7 ± 0.15	-----	-----
3.5x3.0x1.8	3.5 ± 0.20	3.0 ± 0.20	1.8 ± 0.15	-----	-----
3.5x5.0x1.8	3.5 ± 0.20	5.0 ± 0.30	1.8 ± 0.15	-----	-----
4.0x2.0x2.0	4.0 ± 0.20	2.0 ± 0.20	2.0 ± 0.15	-----	-----
4.0x10.0x2.0	4.0 ± 0.20	10.0 ± 0.30	2.0 ± 0.15	-----	-----

Figure1



TAPE DIMENSION (T-TYPE)



Unit:m/m

TYPE	TAPE	P ± 0.5	W ± 0.5	D1,D2 ± 1	E Max.	Z Max.	S Max.	I Min.	Packaging
									Pcs/REEL
3.5x4.7x0.8	52 ± 2.0	5	6	13	1	1.2	1	3.2	5,000
3.5x5.0x0.8	52 ± 2.0	5	6	13	1	1.2	1	3.2	5,000
3.5x6.0x0.8	52 ± 2.0	5	6	13	1	1.2	1	3.2	5,000
3.7x7.5x0.8	52 ± 2.0	5	6	13	1	1.2	1	3.2	5,000
3.5x8.0x0.8	52 ± 2.0	5	6	13	1	1.2	1	3.2	5,000
3.5x9.0x0.8	52 ± 2.0	5	6	13	1	1.2	1	3.2	5,000

Figure2