

Primarily used for broadband transformers up to high frequencies

Application examples

SIFERRIT material N30 for low frequencies

and for pulse applications

SIFERRIT material K1

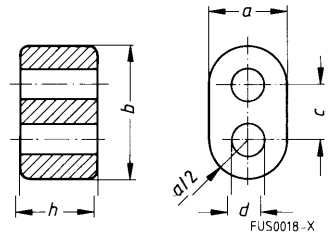
for matching transformers and baluns

up to about 250 MHz in antenna feeders or

in input circuits of VHF and TV receivers

SIFERRIT material U17

for the same applications up to 500 MHz



Dimensions ¹⁾					Magnetic characteristics				Weight
<i>h</i> (mm)	<i>b</i> (mm)	<i>a</i> (mm)	<i>c</i> (mm)	<i>d</i> (mm)	$\Sigma I/A$ ³⁾ mm ⁻¹	<i>I_e</i> ³⁾ mm	<i>A_e</i> ³⁾ mm ²	<i>V_e</i> ³⁾ mm ³	g
14,5 - 1,0	14,5 - 1,0	8,5 - 0,5	5,85±0,25	3,4 + 0,8	0,31	15,7	50,2	761	4,0
8,3 - 0,6	14,5 - 1,0	8,5 - 0,5	5,85±0,25	3,4 + 0,6	0,54	15,7	28,9	435	2,5
6,2 - 0,5	7,25-0,5	4,2 - 0,4	2,9±0,15	1,7 + 0,3	0,745	8,1	10,7	78	0,4
2,5 - 0,3	3,6 - 0,3	2,1 - 0,3	1,45±0,1	0,8 + 0,15	1,78	4,2	2,5	8,3	0,1

Overview of available types

Core height <i>h</i> (mm)	Material	<i>A_L</i> value ³⁾ nH	Ordering code ⁴⁾	PU Pcs
14,5 – 1,0 ²⁾	U17 K1	40 330	B62152-A1-X17 B62152-A1-X1	200
8,3 – 0,6 ²⁾	U17 K1 N30	24 190 10000	B62152-A4-X17 B62152-A4-X1 B62152-A4-X30	400
6,2 – 0,5 ²⁾	U17 K1 N30	17 140 7300	B62152-A7-X17 B62152-A7-X1 B62152-A7-X30	2000
2,5 – 0,3	U17 K1 N30	7 60 3000	B62152-A8-X17 B62152-A8-X1 B62152-A8-X30	20000

1) Cores made of NiZn ferrite (e.g. U17 and K12) may exceed the specified dimensions by up to 5%.

2) In accordance with DIN 41279, shape G

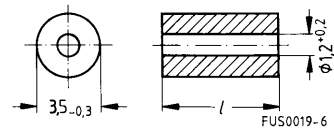
3) Magnetic characteristics and *A_L* value are based on winding of center leg. Tolerance of the *A_L* value = ±30%

4) Double-aperture cores are available with parylene coating on request. In this case the thickness of the coating is approx. 10 to 15 µm. Ordering code for coated version: B62152-P...

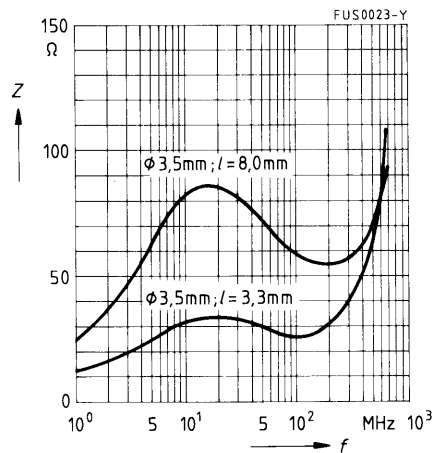
- In accordance with IEC 220
- For the short-wave to VHF range

Mode of operation

When slipped over a conductor, the beads produce an attenuation, which increases with the number of beads. Magnetic biasing of the beads reduces the attenuation.



Impedance Z versus frequency f
(typical values)
measured with shielding beads
B62110-A3011-X22 and
B62110-A3063-X22



Material	Length L mm	Ordering code	PU Pcs
N22	3,3 – 0,5	B62110-A3011-X22	10000
	5,2 – 0,5	B62110-A3007-X22	8000
	8,0 – 0,6	B62110-A3063-X22	5000
	16,0 – 0,8	B62110-A3064-X22	2000