

Soft Ferrites

Wideband chokes

WIDEBAND CHOKES FOR EMI SUPPRESSION

General data WBC1.5/A

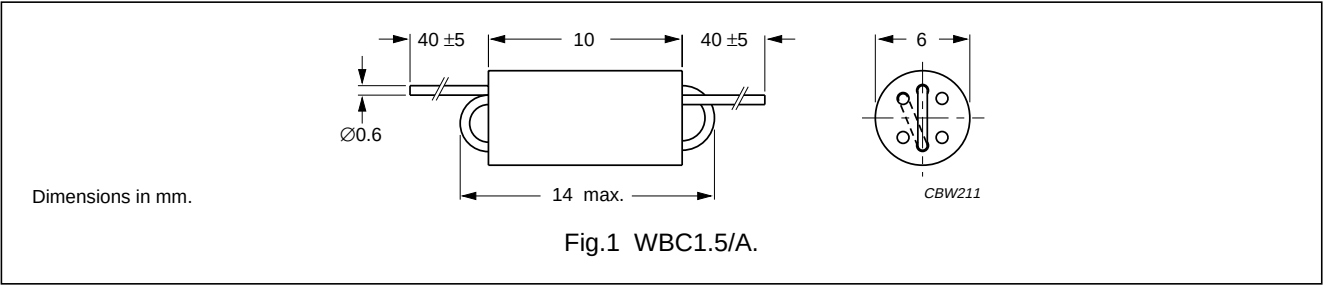
ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.1

GRADE	No. OF TURNS	Z at f		TYPE NUMBER
		(Ω)	(MHz)	
3S4	1.5	≥300	120	WBC1.5/A-3S4
4B1	1.5	≥350	250	WBC1.5/A-4B1
4S2	1.5	213 ⁽¹⁾	10	WBC1.5/A-4S2 des
		400 ⁽¹⁾	50	
		470 ⁽¹⁾	100	

Note

1. Minimum guaranteed impedance is |Z|_{typ} –20%.



General data WBC1.5/1.5/A

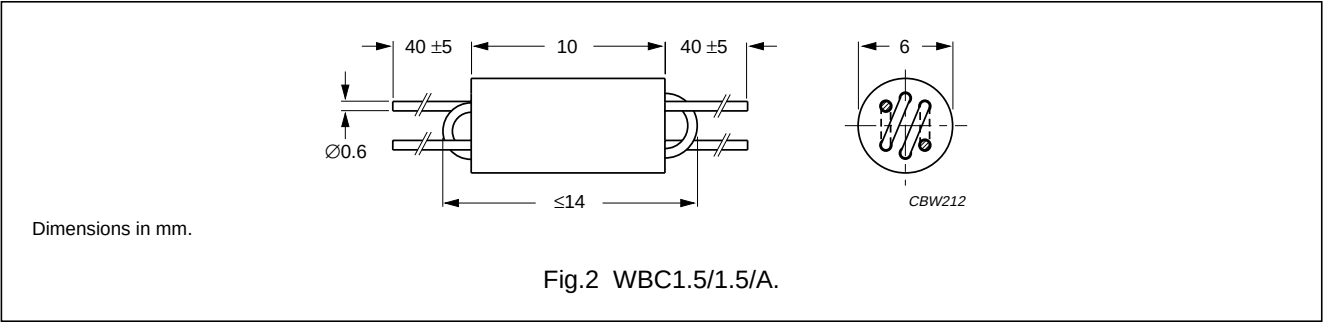
ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.2

GRADE	No. OF TURNS	Z at f		TYPE NUMBER
		(Ω)	(MHz)	
3S4	2 × 1.5	≥700 ⁽¹⁾	50	WBC1.5/1.5/A-3S4
4B1	2 × 1.5	≥800 ⁽¹⁾	110	WBC1.5/1.5/A-4B1
4S2	2 × 1.5	213 ⁽²⁾	10	WBC1.5/1.5/A-4S2 des
		400 ⁽²⁾	50	
		470 ⁽²⁾	100	

Notes

1. |Z| measured with both windings connected in series.
2. Minimum guaranteed impedance is |Z|_{typ} –20%; measured with one winding.



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General data WBC2/R

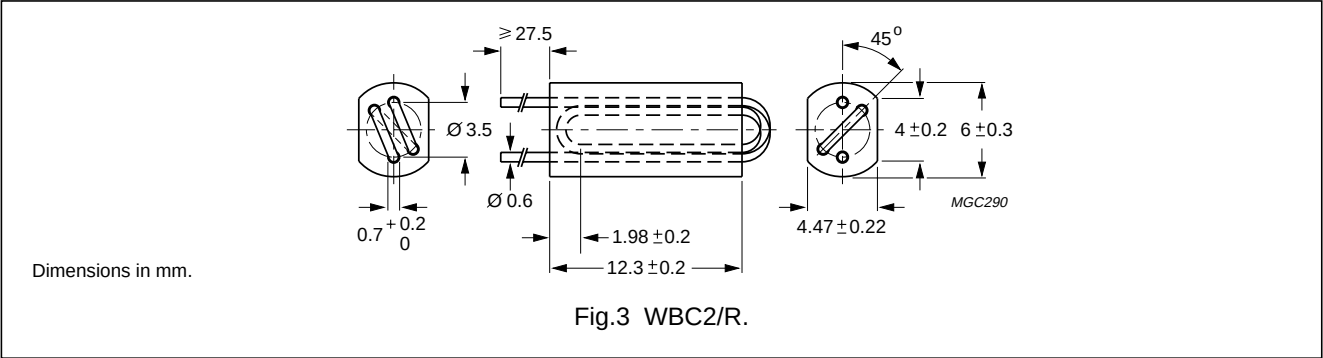
ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.4

GRADE	No. OF TURNS	Z ⁽¹⁾ at f		TYPE NUMBER
		(Ω)	(MHz)	
4S2	2	300	10	WBC2/R-4S2
		650	50	
		600	100	

Note

1. Minimum guaranteed impedance is |Z|_{typ} -20%.



General data WBC2.5/A

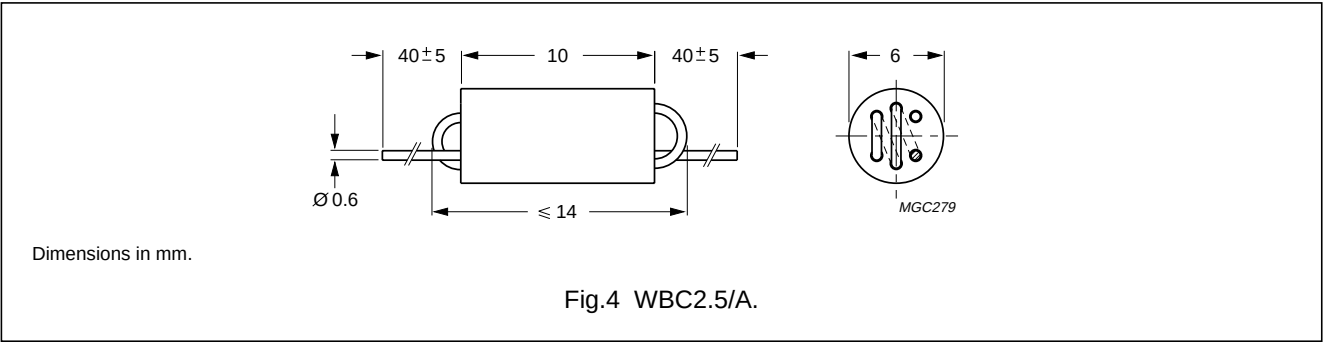
ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.4

GRADE	No. OF TURNS	Z at f		TYPE NUMBER
		(Ω)	(MHz)	
3S4	2.5	≥ 600	50	WBC2.5/A-3S4
4B1	2.5	≥ 700	180	WBC2.5/A-4B1
4S2	2	400 ⁽¹⁾	10	WBC2.5/A-4S2 des
		850 ⁽¹⁾	50	
		725 ⁽¹⁾	100	

Note

1. Minimum guaranteed impedance is |Z|_{typ} -20%.



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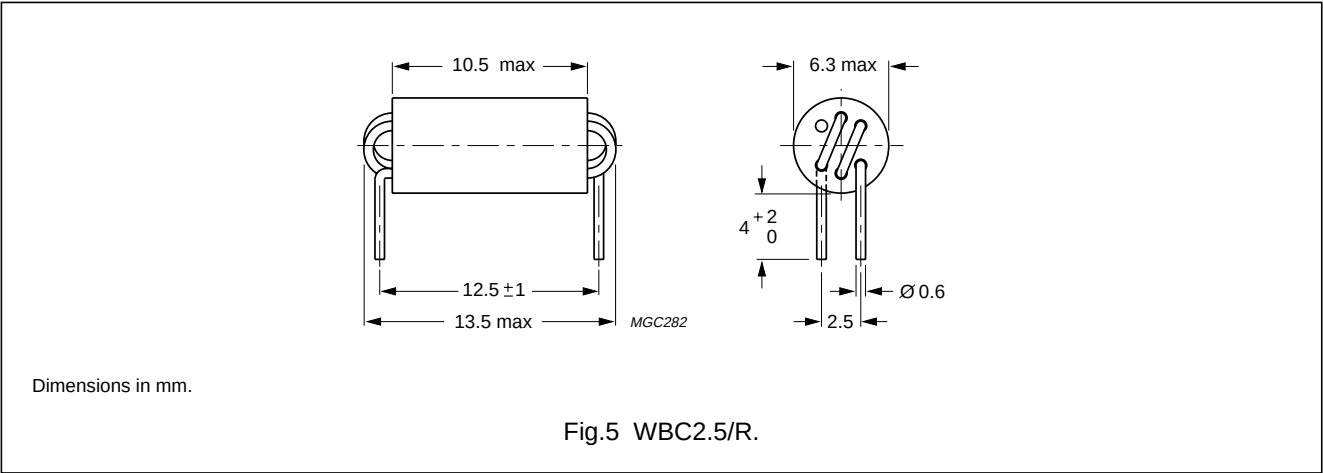
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General data WBC2.5/R

ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.5

GRADE	No. OF TURNS	Z at f		TYPE NUMBER
		(Ω)	(MHz)	
3S4	2.5	≥600	50	WBC2.5/R-3S4
4B1	2.5	≥700	75	WBC2.5/R-4B1



General data WBC2.5/SP

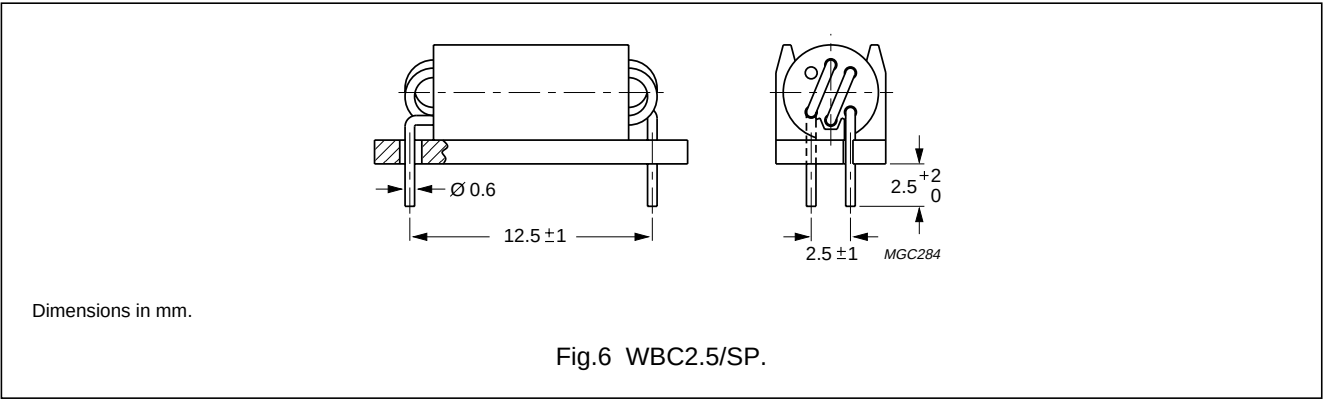
ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Support	polyamide (PA6.6) plate to allow mounting across circuit tracks; flame retardant in accordance with UL 94V-0
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.6

GRADE note 1	No. OF TURNS	Z at f		TYPE NUMBER
		(Ω)	(MHz)	
3S4	2.5	≥600	50	WBC2.5/SP-3S4 ^{sup}
4B1	2.5	≥700	75	WBC2.5/SP-4B1 ^{sup}

Note

1. Colour code 3S4 = blue, 4B1 = green.



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General data WBC3/R

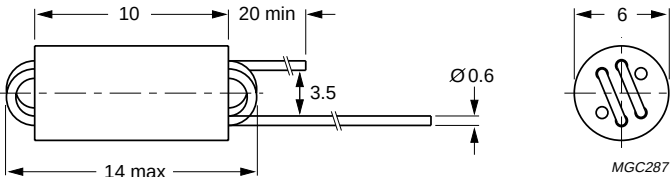
ITEM	SPECIFICATION
Wire material	copper (Cu), tin-lead (SnPb) plated
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1

Grades, parameters and type numbers; see Fig.4

GRADE	No. OF TURNS	Z at f		TYPE NUMBER
		(Ω)	(MHz)	
3S4	2.5	≥ 650	63	WBC3/R-3S4
4B1	2.5	≥ 800	110	WBC3/R-4B1
4S2	2.5	500 ⁽¹⁾	10	WBC3/R-4S2 des
		1000 ⁽¹⁾	50	
		688 ⁽¹⁾	100	

Note

1. Minimum guaranteed impedance is $|Z|_{typ} - 20\%$.



Dimensions in mm.

Fig.7 WBC3/R.