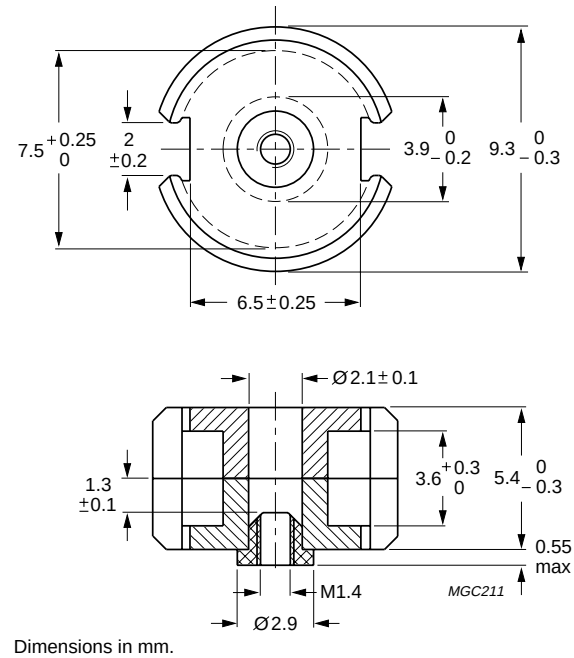
CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(l/A)	core factor (C1)	1.24	mm^{-1}
V_e	effective volume	126	mm^3
l_e	effective length	12.5	mm
A_e	effective area	10.1	mm^2
A_{min}	minimum area	8.0	mm^2
m	mass of set	≈0.8	g



Dimensions in mm.

Fig.1 P9/5 core set.

Core sets for filter applications

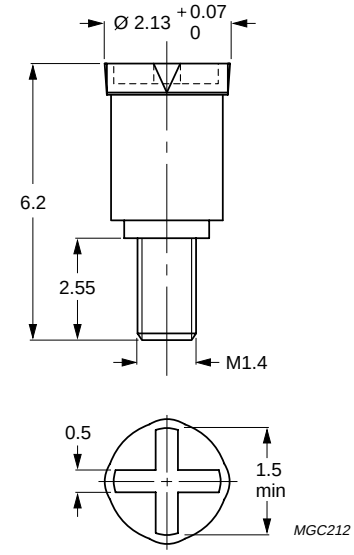
Clamping force 25 ±5 N.

GRADE	A_L (nH)	μ_e	AIR GAP (μm)	TYPE NUMBER (WITH NUT)	TYPE NUMBER (WITHOUT NUT)
4C6 sup	16 ±3%	≈16	≈1100	P9/5-4C6-E16/N	P9/5-4C6-E16
	25 ±3%	≈25	≈500	P9/5-4C6-E25/N	P9/5-4C6-E25
	40 ±3%	≈40	≈300	P9/5-4C6-E40/N	P9/5-4C6-E40
	100 ±25%	≈100	≈0	–	P9/5-4C6
3D3 sup	40 ±3%	≈40	≈400	P9/5-3D3-E40/N	P9/5-3D3-E40
	63 ±3%	≈63	≈200	P9/5-3D3-E63/N	P9/5-3D3-E63
	630 ±25%	≈630	≈0	–	P9/5-3D3
3E5	≥4220	≥4166	≈0	–	P9/5-3E5
3H1 sup	63 ±3%	≈63	≈200	P9/5-3H1-A63/N	P9/5-3H1-A63
	100 ±3%	≈100	≈120	P9/5-3H1-A100/N	P9/5-3H1-A100
	160 ±3%	≈160	≈70	P9/5-3H1-A160/N	P9/5-3H1-A160
	250 ±10%	≈250	≈40	P9/5-3H1-A250/N	P9/5-3H1-A250
	1260 ±25%	≈1260	≈0	–	P9/5-3H1
3B7 sup	63 ±3%	≈63	≈200	P9/5-3B7-A63/N	P9/5-3B7-A63
	100 ±3%	≈100	≈120	P9/5-3B7-A100/N	P9/5-3B7-A100
	160 ±3%	≈160	≈70	P9/5-3B7-A160/N	P9/5-3B7-A160
	1230 ±25%	≈1230	≈0	–	P9/5-3B7

INDUCTANCE ADJUSTERS

General data

ITEM	SPECIFICATION
Material of head and thread	polypropylene (PP), glass fibre reinforced
Maximum operating temperature	125 °C



Dimensions in mm.

Fig.2 P9/5 inductance adjuster.

Inductance adjuster selection chart sup (applies to all types)

GRADE	A_L (nH)	TYPES FOR LOW ADJUSTMENT	$\Delta L/L^{(1)}$	TYPES FOR MEDIUM ADJUSTMENT	$\Delta L/L^{(1)}$	TYPES FOR HIGH ADJUSTMENT	$\Delta L/L^{(1)}$
3H1; 3B7	63	–	–	ADJ-P9/P11-YELLOW	18	ADJ-P9/P11-BROWN	31
	100	–	–	ADJ-P9/P11-YELLOW	11	ADJ-P9/P11-BROWN	21
	160	ADJ-P9/P11-YELLOW	8	ADJ-P9/P11-BROWN	14	ADJ-P9/P11-GREY	21
	250	ADJ-P9/P11-YELLOW	4	ADJ-P9/P11-GREY	10	–	–
4C6	16	–	–	–	–	ADJ-P9/P11-YELLOW	26
	25	–	–	–	–	ADJ-P9/P11-YELLOW	26
	40	–	–	ADJ-P9/P11-YELLOW	11	–	–

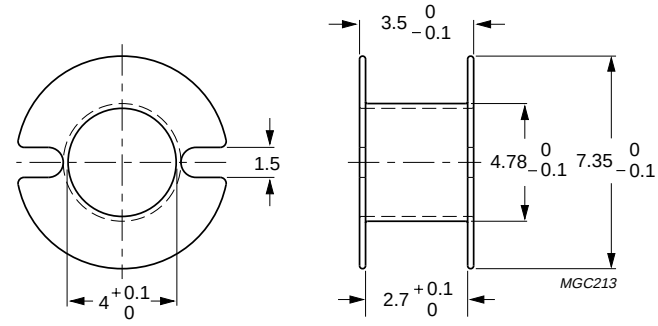
Note

1. Maximum adjustment range.

COIL FORMERS

General data for coil former CP-P9/5-1S

PARAMETER	SPECIFICATION
Coil former material	polybutyleneterephtalate (PBT), glass reinforced, flame retardant in accordance with *"UL 94V-0"*; UL file number E45329 (R)
Maximum operating temperature	155 °C, *"IEC 85"* class F



Dimensions in mm.

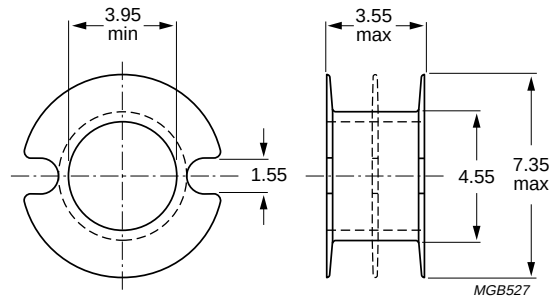
Fig.3 Coil former: CP-P9/5-1S.

Winding data for coil former CP-P9/5-1S

NUMBER OF SECTIONS	WINDING AREA (mm^2)	MINIMUM WINDING WIDTH (mm)	AVERAGE LENGTH OF TURN (mm)	TYPE NUMBER
1	3.1	2.5	18.9	CP-P9/5-1S

General data for coil former CP-P9/5-1S-A

PARAMETER	SPECIFICATION
Coil former material	acetal (POM), glass reinforced, flame retardant in accordance with *"UL 94-HB"*; UL file number E66288(R)
Maximum operating temperature	105 °C



Dimensions in mm.

Fig.4 Coil former: CP-P9/5-1S-A.

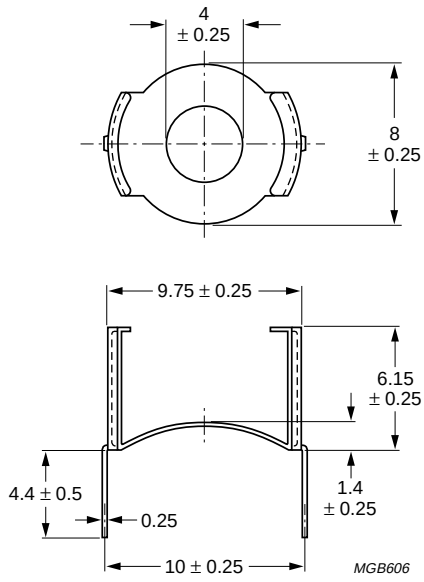
Winding data for CP-P9/5-1S-A coil former

NUMBER OF SECTIONS	MINIMUM WINDING AREA (mm^2)	NOMINAL WINDING WIDTH (mm)	AVERAGE LENGTH OF TURN (mm)	TYPE NUMBER
1	3.42	2.8	18.4	CP-P9/5-1S-A

MOUNTING PARTS

General data

ITEM	REMARKS	FIGURE	TYPE NUMBER
Clamp	spring steel, tin plated	5	CLM/TP-P9/5



Dimensions in mm.

Fig.5 Clamp: CLM/TP-P9/5.