

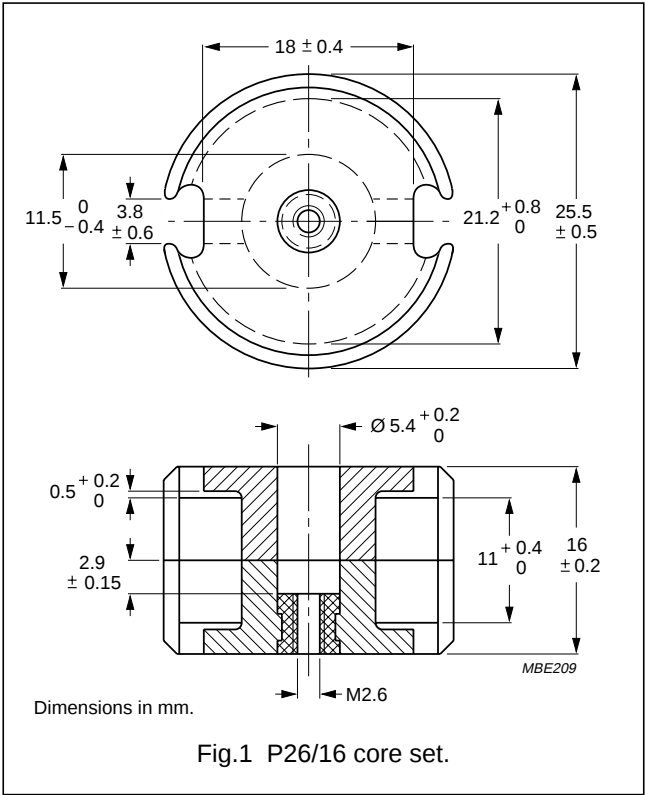
P cores and accessories

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CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma(I/A)$	core factor (C1)	0.400	mm ⁻¹
V_e	effective volume	3530	mm ³
l_e	effective length	37.6	mm
A_e	effective area	93.9	mm ²
A_{min}	minimum area	76.5	mm ²
m	mass of set	≈20	g



Core sets for filter applications

Clamping force 200 ±50 N.

GRADE	A_L (nH)	μ_e	AIR GAP (μ m)	TYPE NUMBER (WITH NUT)	TYPE NUMBER (WITHOUT NUT)
4C6 ^{sup}	63 ±3%	≈20	≈2500	P26/16-4C6-E63/N	P26/16-4C6-E63
	100 ±3%	≈32	≈1100	P26/16-4C6-E100/N	P26/16-4C6-E100
	310 ±25%	≈100	≈0	—	P26/16-4C6
3D3 ^{sup}	100 ±3%	≈32	≈1600	P26/16-3D3-E100/N	P26/16-3D3-E100
	160 ±3%	≈51	≈900	P26/16-3D3-E160/N	P26/16-3D3-E160
	250 ±3%	≈80	≈500	P26/16-3D3-E250/N	P26/16-3D3-E250
	2150 ±25%	≈680	≈0	—	P26/16-3D3
3H3 ^{sup}	160 ±3%	≈51	≈900	P26/16-3H3-E160/N	P26/16-3H3-E160
	250 ±3%	≈80	≈500	P26/16-3H3-E250/N	P26/16-3H3-E250
	315 ±3%	≈100	≈370	P26/16-3H3-E315/N	P26/16-3H3-E315
	400 ±3%	≈127	≈260	P26/16-3H3-E400/N	P26/16-3H3-E400
	630 ±3%	≈200	≈150	P26/16-3H3-A630/N	P26/16-3H3-A630
	5000 ±25%	≈1590	≈0	—	P26/16-3H3

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GRADE	A _L (nH)	μ _e	AIR GAP (μm)	TYPE NUMBER (WITH NUT)	TYPE NUMBER (WITHOUT NUT)
3H1 ^{sup}	160 ±3%	≈51	≈900	P26/16-3H1-E160/N	P26/16-3H1-E160
	250 ±3%	≈80	≈500	P26/16-3H1-E250/N	P26/16-3H1-E250
	315 ±3%	≈100	≈370	P26/16-3H1-E315/N	P26/16-3H1-E315
	400 ±3%	≈127	≈260	P26/16-3H1-E400/N	P26/16-3H1-E400
	630 ±3%	≈200	≈150	P26/16-3H1-A630/N	P26/16-3H1-A630
	5550 ±25%	≈1760	≈0	–	P26/16-3H1
3B7 ^{sup}	160 ±3%	≈51	≈900	P26/16-3B7-E160/N	P26/16-3B7-E160
	250 ±3%	≈80	≈500	P26/16-3B7-E250/N	P26/16-3B7-E250
	315 ±3%	≈100	≈370	P26/16-3B7-E315/N	P26/16-3B7-E315
	400 ±3%	≈127	≈260	P26/16-3B7-E400/N	P26/16-3B7-E400
	630 ±3%	≈200	≈150	P26/16-3B7-A630/N	P26/16-3B7-A630
	6000 ±25%	≈1900	≈0	–	P26/16-3B7

Core sets for general purpose transformers and power applications

Clamping force 200 ±50 N.

GRADE	A _L (nH)	μ _e	AIR GAP (μm)	TYPE NUMBER
3B8 ^{sup}	250 ±3%	≈80	≈500	P26/16-3B8-A250
	315 ±3%	≈100	≈370	P26/16-3B8-A315
	400 ±3%	≈127	≈260	P26/16-3B8-A400
	630 ±3%	≈200	≈150	P26/16-3B8-A630
	5550 ±25%	≈1760	≈0	P26/16-3B8
3C81	160 ±3%	≈51	≈900	P26/16-3C81-E160
	250 ±3%	≈80	≈500	P26/16-3C81-A250
	315 ±3%	≈100	≈370	P26/16-3C81-A315
	400 ±3%	≈127	≈260	P26/16-3C81-A400
	630 ±3%	≈200	≈150	P26/16-3C81-A630
	6700 ±25%	≈2130	≈0	P26/16-3C81
3C85 ^{sup}	160 ±3%	≈51	≈90	P26/16-3C85-E160
	250 ±3%	≈80	≈500	P26/16-3C85-A250
	315 ±3%	≈100	≈370	P26/16-3C85-A315
	400 ±3%	≈127	≈260	P26/16-3C85-A400
	630 ±3%	≈200	≈150	P26/16-3C85-A630
	5000 ±25%	≈1590	≈0	P26/16-3C85
3F3 ^{sup}	160 ±3%	≈51	≈90	P26/16-3F3-E160
	250 ±3%	≈80	≈500	P26/16-3F3-A250
	315 ±3%	≈100	≈370	P26/16-3F3-A315
	400 ±3%	≈127	≈260	P26/16-3F3-A400
	630 ±3%	≈200	≈150	P26/16-3F3-A630
	4600 ±25%	≈1460	≈0	P26/16-3F3

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Core sets of high permeability grades

Clamping force 200 ±50 N.

GRADE	A_L (nH)	μ_e	TYPE NUMBER
3E1 ^{sup}	9000 ±25%	≈2860	P26/16-3E1
3E25 ^{sup}	12000 ±25%	≈3810	P26/16-3E25
3E27	12000 ±25%	≈3810	P26/16-3E27
3E4 ^{sup}	12100 +40/-30%	≈3850	P26/16-3E4
3E5	≥14000	≥4460	P26/16-3E5

Properties of core sets under power conditions

GRADE	B (mT) at	CORE LOSS (W) at		
	H = 250 A/m; f = 25 kHz; T = 100 °C	f = 25 kHz; B̂ = 200 mT; T = 100 °C	f = 100 kHz; B̂ = 100 mT; T = 100 °C	f = 400 kHz; B̂ = 50 mT; T = 100 °C
3B8	≥315	≤1.00	–	–
3C81	≥315	≤0.72	–	–
3C85	≥315	≤0.56	≤0.67	–
3F3	≥315	–	≤0.40	≤0.65

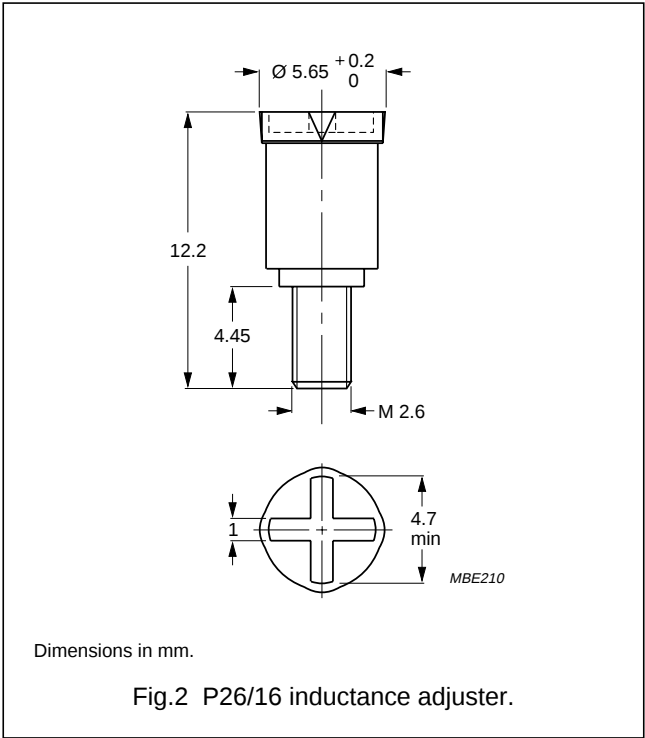
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INDUCTANCE ADJUSTERS

General data

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



Inductance adjuster selection chart ^{sup} (applies to all types)

GRADE	A _L (nH)	TYPES FOR LOW ADJUSTMENT	ΔL/L ⁽¹⁾	TYPES FOR MEDIUM ADJUSTMENT	ΔL/L ⁽¹⁾	TYPES FOR HIGH ADJUSTMENT	ΔL/L ⁽¹⁾
3H1; 3H3; 3B7	63	–	–	–	–	ADJ-P26-RED	25
	100	–	–	–	–	ADJ-P26-RED	22
	160	–	–	ADJ-P26-RED	15	ADJ-P26-WHITE	27
	250	ADJ-P26-RED	10	ADJ-P26-WHITE	18	ADJ-P26-BROWN	23
	315	ADJ-P26-RED	8	ADJ-P26-WHITE	14	ADJ-P26-BROWN	18
	400	ADJ-P26-RED	6	ADJ-P26-BROWN	13	ADJ-P26-GREY	25
	630	ADJ-P26-BROWN	8	ADJ-P26-GREY	16	–	–
	1000	ADJ-P26-BROWN	5	ADJ-P26-GREY	9	–	–
	1600	–	–	ADJ-P26-GREY	5	–	–
3D3	100	–	–	–	–	ADJ-P26-RED	21
	160	–	–	ADJ-P26-RED	14	ADJ-P26-WHITE	25
	250	ADJ-P26-RED	9	ADJ-P26-WHITE	15	ADJ-P26-GREY	35
	400	ADJ-P26-WHITE	8	ADJ-P26-GREY	17	–	–
4C6	63	–	–	–	–	ADJ-P26-RED	21
	100	–	10	ADJ-P26-RED	15	–	–

Note

1. Maximum adjustment range.

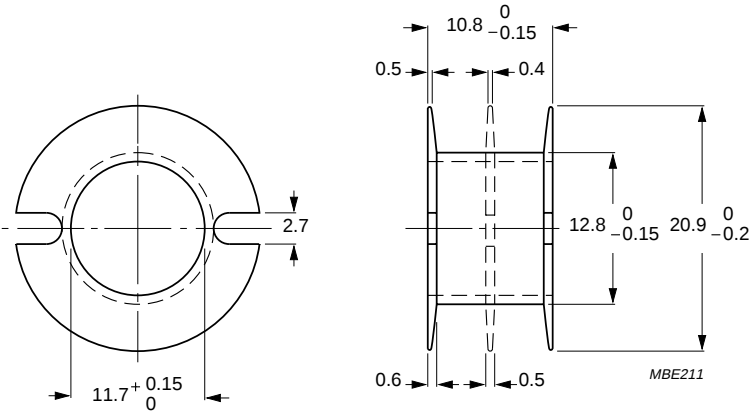
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COIL FORMERS

General data for CP-P26/16 coil former

PARAMETER	SPECIFICATION
Coil former material	polybutyleneterephthalate (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-P26/16.

Winding data for CP-P26/16 coil former

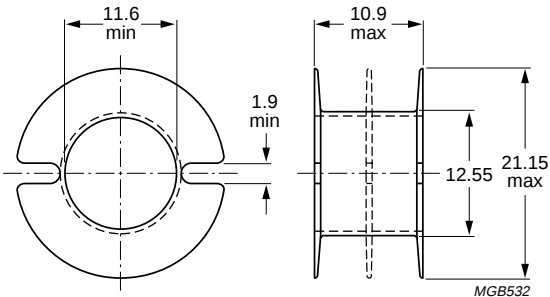
NUMBER OF SECTIONS	WINDING AREA (mm ²)	MINIMUM WINDING WIDTH (mm)	AVERAGE LENGTH OF TURN (mm)	TYPE NUMBER
1	37.1	9.3	52.6	CP-P26/16-1S
2	2 × 17.5	2 × 4.35	52.6	CP-P26/16-2S
3	3 × 11	3 × 2.7	52.6	CP-P26/16-3S

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General data for CP-P26/16-A coil former

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-P26/16-A.

Winding data for CP-P26/16-A coil former

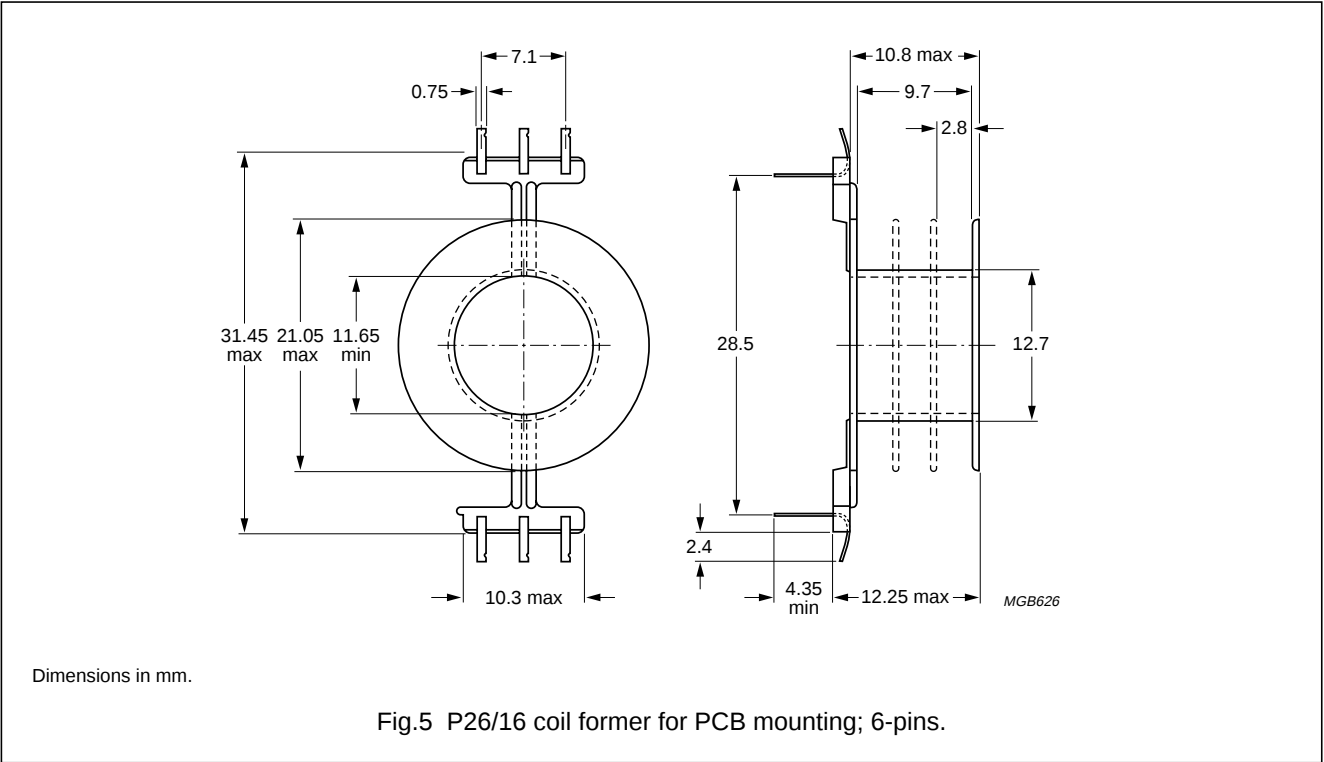
NUMBER OF SECTIONS	MINIMUM WINDING AREA (mm ²)	NOMINAL WINDING WIDTH (mm)	AVERAGE LENGTH OF TURN (mm)	TYPE NUMBER
1	38.4	9.7	52.7	CP-P26/16-1S-A
2	2 × 19.2	2 × 4.6	52.7	CP-P26/16-2S-A
3	3 × 11.1	3 × 2.8	52.7	CP-P26/16-3S-A

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General data 6-pins P26/16 coil former for PCB mounting

PARAMETER	SPECIFICATION
Coil former material	polyamide (PA6.6), glass reinforced, flame retardant in accordance with "UL 94V-0"; UL file number E41938(M)
Maximum operating temperature	130 °C
Pin material	copper-zinc alloy (CuZn), tin-lead alloy (SnPb) plated
Resistance to soldering heat	"IEC 68-2-20", Part 2, Test Tb, method 1B, 350 °C, 3.5 s
Solderability	"IEC 68-2-20", Part 2, Test Ta, method 1, 235 °C, 2 s



Data for 6-pins P26/16 coil former for PCB mounting

NUMBER OF SECTIONS	MINIMUM WINDING AREA (mm ²)	NOMINAL WINDING WIDTH (mm)	AVERAGE LENGTH OF TURN (mm)	MINIMUM LENGTH OF PINS (mm)	TYPE NUMBER
1	36.7	9.7	52.7	4.4	CPV-P26/16-1S-6PD
1	36.7	9.7	52.7	6.8	CPV-P26/16-1S-6PDL
2	2 × 16.6	2 × 4.5	52.7	4.4	CPV-P26/16-2S-6PD
2	2 × 16.6	2 × 4.5	52.7	6.8	CPV-P26/16-2S-6PDL
3	3 × 10.3	3 × 2.8	52.7	4.4	CPV-P26/16-3S-6PD ⁽¹⁾
3	3 × 10.3	3 × 2.8	52.7	6.8	CPV-P26/16-3S-6PDL ⁽¹⁾

Note

1. In accordance with "UL 94-HB".

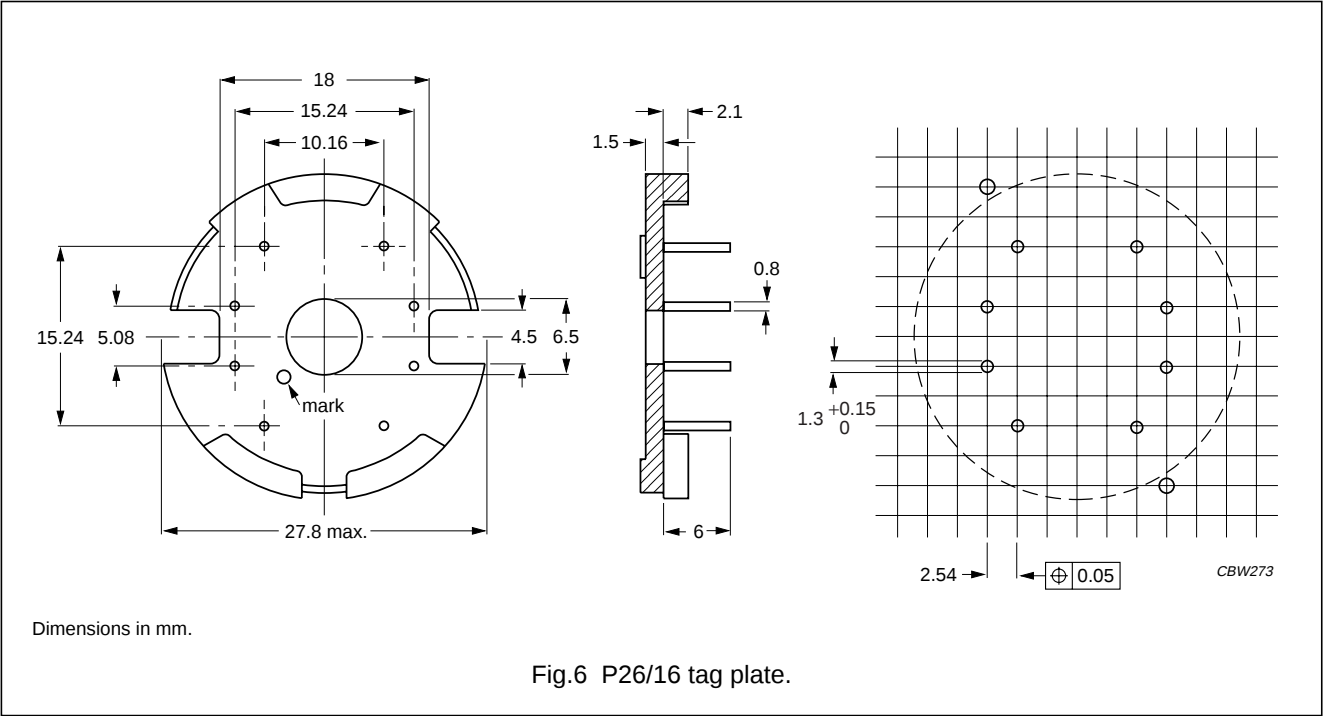
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MOUNTING PARTS

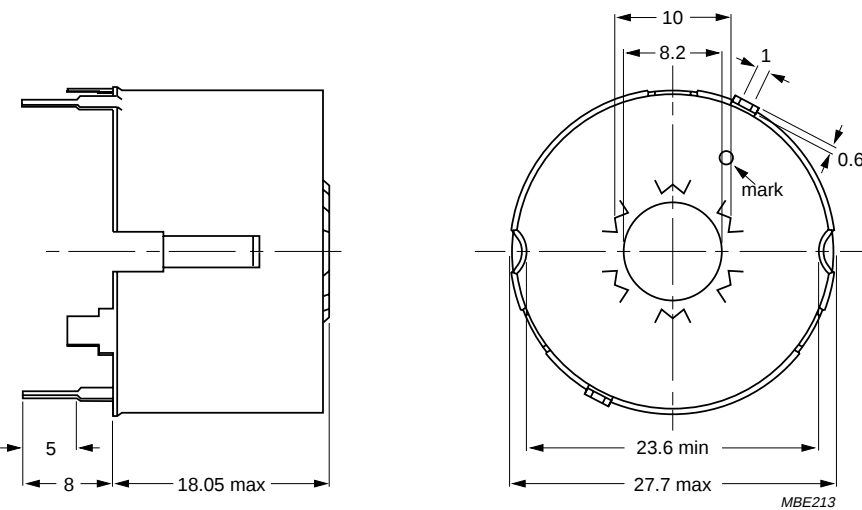
General data

ITEM	REMARKS	FIGURE	TYPE NUMBER
Tag plate	material: phenolformaldehyde (PF), glass reinforced	6	TGP-P26/16-8P
	flame retardant: in accordance with "UL 94V-0"; UL file number E63312(M)		
	maximum operating temperature: 180 °C, "IEC 85" class H		
	pins: copper-tin alloy (CuSn), tin-lead alloy (SnPb) plated		
	resistance to soldering heat in accordance with "IEC 68-2-20", Part 2, Test Tb, method 1B: 350 °C, 3.5 s		
	solderability in accordance with "IEC 68-2-20", Part 2, Test Ta, method 1: 235 °C, 2 s		
Container	copper-zinc alloy, nickel-plated	7	CON-P26/16
	earth pins: presoldered		
Spring	CrNi-steel	8	SPR-P26/16
	spring force: ≈200 N when mounted		
Nut	copper-zinc alloy, nickel-plated	9	NUT
Bush	copper-zinc alloy, nickel-plated	10	FIB
Clamp	spring steel, tin-plated	11	CLM/TP-P26/16



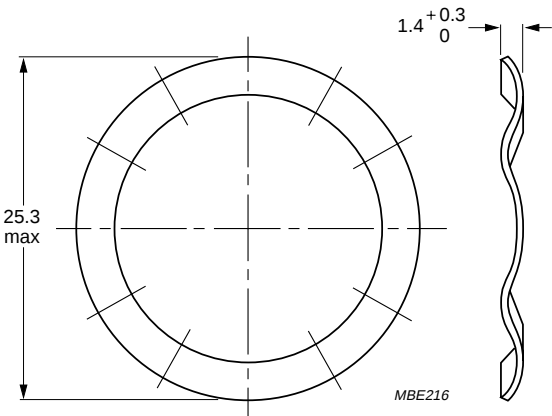
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Dimensions in mm.

Fig.7 P26/16 container.

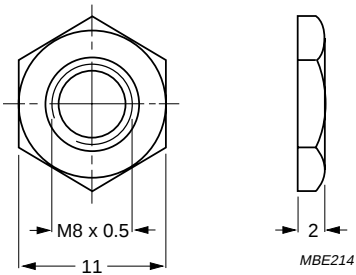


Dimensions in mm.

Fig.8 P26/16 spring.

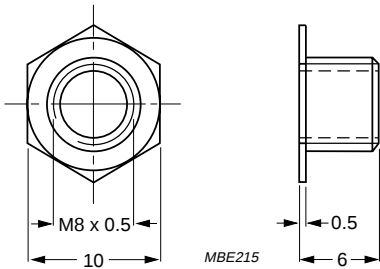
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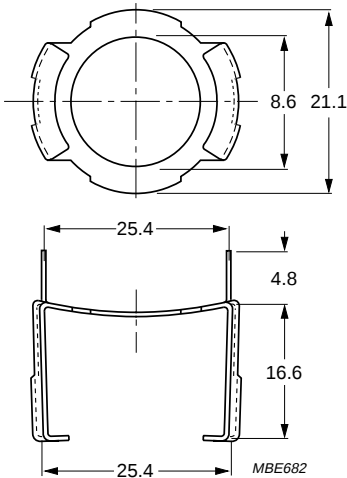
Dimensions in mm.

Fig.9 Fixing nut.



Dimensions in mm.

Fig.10 Fixing bush.



Dimensions in mm.

Fig.11 Clamp: CLM/TP-P26/16.