



AMORPHOUS CHOKE COIL

TM Series

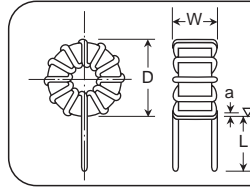
◆ MAJOR USES

- For switching mode power supplies.
- For DC-DC converter.
- For normal mode line filter.

◆ FEATURES

- Great reduction of core loss enabling low temperature rise at high frequency.
- Miniaturization and reduction of DC resistance.
- Low leakage flux due to gap-less structure.
- Excellent frequency and temperature features.

◆ GENERAL SPECIFICATION



(Reference sample)
 D : Maximum outer diameter
 W : Maximum width
 Total lead length (L)* : 30mm (+3mm, -3mm)
 Soldering boundary (a)* : 0mm (+4mm, -0mm)
 * The bottom of the core or coil (▽) is defined as the base surface.
 The specification value of the soldering boundary varies depending on the number of windings of the wire.

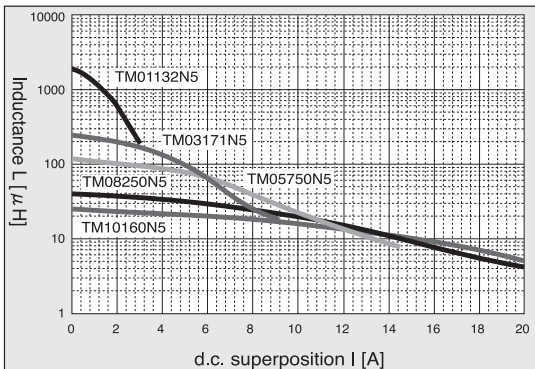
P/N	Rated current A	Inductance (200kHz)		D.C.R. mΩ (max)	Winding *2 mmφ×lines-turns	Outside dimension	
		O[A]*1 Rating μH	Rating μH			D mm	W mm
TM01201N1	1	270	200	150	0.5x1p -49T	18.0	10.5
TM01251N1	1	350	250	170	0.5x1p -58T	18.0	11.0
TM01301N1	1	410	300	170	0.5x1p -60T	18.0	11.0
TM02101N1	2	155	100	70	0.6x1p -37T	18.0	10.5
TM03400N1	3	65	40	27	0.8x1p -24T	18.5	11.0
TM04250N1	4	40	25	18	0.9x1p -19T	19.0	11.5
TM05150N1	5	22	15	11	1.0x1p -14T	19.5	11.5
TM01401N2	1	500	400	210	0.5x1p -70T	19.5	11.0
TM01501N2	1	720	500	230	0.5x1p -81T	20.0	11.0
TM02151N2	2	200	150	89	0.6x1p -45T	20.0	10.5
TM02201N2	2	270	200	110	0.6x1p -55T	20.0	11.0
TM02211N2	2	330	210	110	0.6x1p -58T	20.5	11.5
TM03700N2	3	95	70	36	0.8x1p -31T	20.5	11.5
TM04450N2	4	60	45	24	0.9x1p -24T	21.0	11.5
TM04500N2	4	75	50	24	0.9x1p -28T	21.0	11.5
TM05300N2	5	45	30	17	1.0x1p -21T	21.0	12.0
TM06200N2	6	29	20	11	0.8x2p -16T	21.0	12.0
TM01132N5	1	1900	1300	400	0.5x1p -128T	26.0	12.0
TM03800N5	3	120	80	41	0.8x1p -30T	26.5	11.0
TM03171N5	3	260	170	59	0.8x1p -48T	26.5	12.0
TM05750N5	5	120	75	27	1.0x1p -35T	27.0	13.5
TM06450N5	6	80	45	18	0.8x2p -26T	27.0	13.0
TM08250N5	8	43	25	11	0.9x2p -19T	27.0	13.5
TM10160N5	10	26	16	7	1.1x2p -15T	28.0	14.0
TM15080N5	15	14	8	4	1.1x3p -11T	27.5	14.5
TM02621NP	2	1090	620	150	0.7x1p -76T	24.5	16.5
TM03291NP	3	490	290	76	0.8x1p -51T	24.5	16.0
TM04161NP	4	280	160	46	0.9x1p -39T	25.0	16.5
TM05101NP	5	170	100	29	1.0x1p -30T	25.0	16.5
TM06700NP	6	120	70	19	0.8x2p -25T	24.5	16.0
TM08400NP	8	70	40	12	0.9x2p -19T	25.0	16.5
TM10270NP	10	48	27	7	1.1x2p -16T	26.0	17.0
TM15120NP	15	23	12	4	1.1x3p -11T	26.0	17.5

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TM02701N6	2	1150	700	150	0.7x1p -73T	27.5	16.5
TM03181N6	3	260	180	50	0.8x1p -33T	27.5	15.0
TM03351N6	3	600	350	82	0.8x1p -53T	27.5	16.5
TM04101N6	4	145	100	33	0.9x1p -25T	27.5	16.0
TM04201N6	4	330	200	48	0.9x1p -39T	28.0	16.5
TM05131N6	5	230	130	34	1.0x1p -33T	28.5	17.0
TM06850N6	6	155	85	22	0.8x2p -27T	28.0	17.0
TM08450N6	8	75	45	13	0.9x2p -19T	28.0	17.0
TM10300N6	10	50	30	7	1.1x2p -15T	29.0	17.5
TM15160N6	15	30	16	5	1.1x3p -12T	28.5	18.5
TM20100N6	20	21	10	4	1.3x3p -10T	29.5	19.0
TM02901N7	2	1500	900	240	0.6x1p -72T	32.0	15.5
TM02112N7	2	1700	1100	190	0.7x1p -85T	32.5	16.5
TM03481N7	3	770	480	94	0.8x1p -57T	32.5	16.5
TM05141N7	5	230	140	34	1.0x1p -31T	33.0	16.0
TM05211N7	5	360	210	42	1.0x1p -39T	33.0	17.5
TM10300N7	10	45	30	7	1.6x1p -13T	35.5	18.5
TM10500N7	10	95	50	11	1.1x2p -20T	34.0	18.0
TM15260N7	15	46	26	6	1.1x3p -14T	33.5	18.0
TM25100N7	25	19	10	3	1.6x2p -9T	35.5	19.0
TM03501N9	3	780	500	120	0.8x1p -63T	38.5	18.5
TM05281N9	5	470	280	61	1.0x1p -50T	39.5	19.0
TM05301N9	5	510	300	62	1.0x1p -51T	39.5	19.0
TM10600N9	10	100	60	12	1.6x1p -23T	41.5	20.0
TM10800N9	10	140	80	15	1.1x2p -27T	41.0	20.5
TM15400N9	15	70	40	8	1.1x3p -19T	39.5	20.0
TM20130N9	20	20	13	4	1.3x3p -10T	41.0	19.5
TM20200N9	20	39	20	5	1.3x3p -14T	40.5	20.5

*1 The inductance at current 0 [A] indicates the reference value.
 *2 The number of turns indicates the reference value. The specification of the inductance takes precedence over that of the number of turns.
 The coils of the lying type are also provided for all the items listed in the table above. For a coil of the type, symbol E should be added to the end of the part number shown in the table (e.g. TM05211N7E).
 The items preceded by symbol ⊙ include two types, or the depth type with pedestal and the bed type with pedestal. To order the item of the depth or bed type, add D or B at the end of the item of the item name respectively, as shown in the examples below: (TM05211N7D for the depth type with pedestal) (TM05211N7B for the bed type with pedestal)
 *Order the auxiliary pins separately if they are required for the pedestal.

◆ dc-current pre-loadability (1) <Example>

● Core : T211205N, Frequency : 200kHz



◆ dc-current pre-loadability (2) <Example>

● Core : T191210N, Frequency : 200kHz

