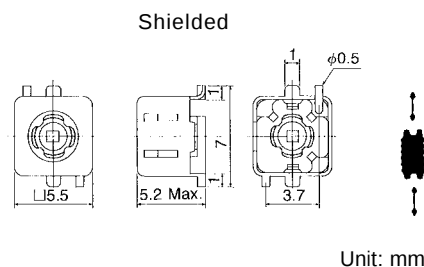
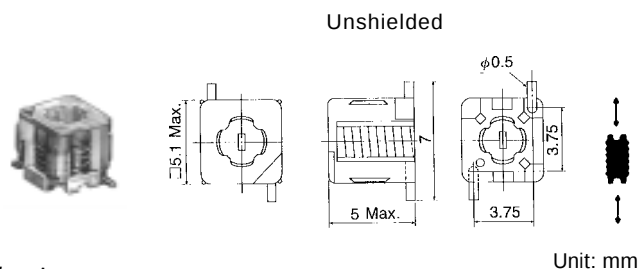


MC152*Close Wound**Frequency Range:* 30-150MHz (with ferrite core)*Inductance Range:* 29~142nH (without case)

27~94nH (with case)

Temperature Coefficient: 150±100ppm/°C (without case)

100±100ppm/°C (with case)

**Features**

- Low profile SMT molded coil.
- Ideal for use in RF circuit for communication and car radio applications.
- Shielded case also available.

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(1) Alternate use of brass core will increase the usable frequency of any specific coil form, however inductance is reduced. These cores may also be substituted for ferrite as a means of lowering Q.

(2) Q measured by Q meter

(3) Inductance measured by HP-4191A at 100MHz for reference only.

TYPE MC152

Without Case TOKO Part Number ⁽¹⁾	Number of Turns	C Range**	Q ⁽²⁾	Color Code	Inductance ⁽³⁾
Ferrite Core					
E558CN-100020	1½	80.4pF±2%	90±20% (at 100MHz)	WHITE	32nH
E558CN-100021	2½	53.8pF±3%	110±20% (at 100MHz)	VIOLET	47nH
E558CN-100022	3½	37.0pF±3%	110±20% (at 100MHz)	ORANGE	68nH
E558CN-100023	4½	28.0pF±3%	115±20% (at 100MHz)	YELLOW	90nH
*E558CN-100024	5½	22.7pF±3%	120±20% (at 100MHz)	WHITE	112nH
*E558CN-100025	6½	17.8pF±3%	120±20% (at 100MHz)	BLUE	142nH
Air Core					
E558HN-100096	1½	86.9pF±10%	85±20% (at 100MHz)	WHITE	29nH
E558HN-100097	2½	61.2pF±10%	100±20% (at 100MHz)	VIOLET	41nH
E558HN-100098	3½	44.9pF±10%	105±20% (at 100MHz)	ORANGE	56nH
E558HN-100099	4½	34.6pF±10%	105±20% (at 100MHz)	YELLOW	73nH
E558HN-100100	5½	27.9pF±10%	120±20% (at 100MHz)	WHITE	91nH
E558HN-100101	6½	22.9pF±10%	120±20% (at 100MHz)	BLUE	111nH
Brass Core					
E558AN-100040	1½	88.6pF± 1%	52±20% (at 100MHz)	WHITE	29nH
E558AN-100041	2½	66.5pF± 3%	63±20% (at 100MHz)	VIOLET	38nH
E558AN-100042	3½	52.4pF± 3%	56±20% (at 100MHz)	ORANGE	48nH
E558AN-100043	4½	44.1pF± 2%	50±20% (at 100MHz)	YELLOW	57nH
E558AN-100044	5½	35.3pF± 2%	50±20% (at 100MHz)	WHITE	72nH
E558AN-100045	6½	30.0pF± 2%	50±20% (at 100MHz)	BLUE	84nH

* Minimum inductance values with core 2 turns above top of bobbin.

** C Range shows tolerance.

continued on next page

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STANDARD COILS SELECTION GUIDE

<i>TYPE MC152 (cont'd)</i>					
With Case TOKO Part Number ⁽¹⁾	Number of Turns	C Range**	Q ⁽²⁾	Color Code	Inductance ⁽³⁾
Ferrite Core					
E558CNA-100032	1 ^{1/2}	89.0pF±1.5%	63±20% (at 100MHz)	WHITE	28nH
E558CNA-100033	2 ^{1/2}	64.2pF±2.0%	77±20% (at 100MHz)	VIOLET	39nH
E558CNA-100034	3 ^{1/2}	48.2pF±2.0%	76±20% (at 100MHz)	ORANGE	53nH
E558CNA-100035	4 ^{1/2}	37.9pF±2.0%	81±20% (at 100MHz)	YELLOW	67nH
*E558CNA-100036	5 ^{1/2}	31.9pF±2.0%	86±20% (at 100MHz)	WHITE	79nH
*E558CNA-100037	6 ^{1/2}	27.0pF±2.0%	80±20% (at 100MHz)	BLUE	94nH
Brass Core					
E558ANA-100050	1 ^{1/2}	92.2pF±1.0%	58±20% (at 100MHz)	WHITE	27nH
E558ANA-100051	2 ^{1/2}	73.6pF±2.0%	55±20% (at 100MHz)	VIOLET	34nH
E558ANA-100052	3 ^{1/2}	59.1pF±2.0%	54±20% (at 100MHz)	ORANGE	43nH
E558ANA-100053	4 ^{1/2}	48.7pF±2.0%	52±20% (at 100MHz)	YELLOW	52nH
E558ANA-100054	5 ^{1/2}	41.6pF±2.0%	49±20% (at 100MHz)	WHITE	61nH
E558ANA-100055	6 ^{1/2}	37.1pF±2.0%	47±20% (at 100MHz)	BLUE	68nH
Air Core					
E558HNA-100090	1 ^{1/2}	90.7pF±10%	60±20% (at 100MHz)	WHITE	28nH
E558HNA-100091	2 ^{1/2}	68.2pF±10%	70±20% (at 100MHz)	VIOLET	37nH
E558HNA-100092	3 ^{1/2}	52.8pF±10%	80±20% (at 100MHz)	ORANGE	48nH
E558HNA-100093	4 ^{1/2}	42.7pF±10%	80±20% (at 100MHz)	YELLOW	59nH
E558HNA-100094	5 ^{1/2}	35.5pF±10%	86±20% (at 100MHz)	WHITE	71nH
E558HNA-100095	6 ^{1/2}	30.3pF±10%	83±20% (at 100MHz)	BLUE	84nH

* Minimum inductance values with core 2 turns above top of bobbin.

** C Range shows tolerance.