

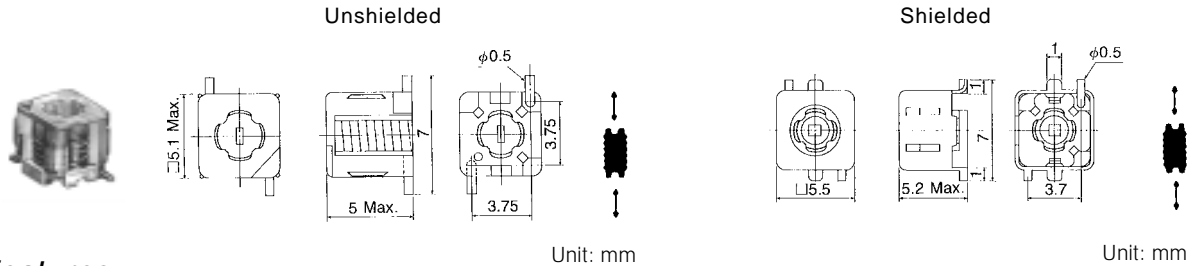
## MC152

### 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.

## STANDARD COILS SELECTION GUIDE

(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 <sup>(1)</sup>	Number of Turns	C Range**	Q <sup>(2)</sup>	Color Code	Inductance <sup>(3)</sup>
<b>Ferrite Core</b>					
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
<b>Air Core</b>					
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
<b>Brass Core</b>					
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.

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**STANDARD COILS SELECTION GUIDE**
**TYPE MC152 (cont'd)**

With Case TOKO Part Number <sup>(1)</sup>	Number of Turns	C Range**	Q <sup>(2)</sup>	Color Code	Inductance <sup>(3)</sup>
<b>Ferrite Core</b>					
E558CNA-100032	1½	89.0pF±1.5%	63±20% (at 100MHz)	WHITE	28nH
E558CNA-100033	2½	64.2pF±2.0%	77±20% (at 100MHz)	VIOLET	39nH
E558CNA-100034	3½	48.2pF±2.0%	76±20% (at 100MHz)	ORANGE	53nH
E558CNA-100035	4½	37.9pF±2.0%	81±20% (at 100MHz)	YELLOW	67nH
*E558CNA-100036	5½	31.9pF±2.0%	86±20% (at 100MHz)	WHITE	79nH
*E558CNA-100037	6½	27.0pF±2.0%	80±20% (at 100MHz)	BLUE	94nH
<b>Brass Core</b>					
E558ANA-100050	1½	92.2pF±1.0%	58±20% (at 100MHz)	WHITE	27nH
E558ANA-100051	2½	73.6pF±2.0%	55±20% (at 100MHz)	VIOLET	34nH
E558ANA-100052	3½	59.1pF±2.0%	54±20% (at 100MHz)	ORANGE	43nH
E558ANA-100053	4½	48.7pF±2.0%	52±20% (at 100MHz)	YELLOW	52nH
E558ANA-100054	5½	41.6pF±2.0%	49±20% (at 100MHz)	WHITE	61nH
E558ANA-100055	6½	37.1pF±2.0%	47±20% (at 100MHz)	BLUE	68nH
<b>Air Core</b>					
E558HNA-100090	1½	90.7pF±10%	60±20% (at 100MHz)	WHITE	28nH
E558HNA-100091	2½	68.2pF±10%	70±20% (at 100MHz)	VIOLET	37nH
E558HNA-100092	3½	52.8pF±10%	80±20% (at 100MHz)	ORANGE	48nH
E558HNA-100093	4½	42.7pF±10%	80±20% (at 100MHz)	YELLOW	59nH
E558HNA-100094	5½	35.5pF±10%	86±20% (at 100MHz)	WHITE	71nH
E558HNA-100095	6½	30.3pF±10%	83±20% (at 100MHz)	BLUE	84nH

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

\*\* C Range shows tolerance.