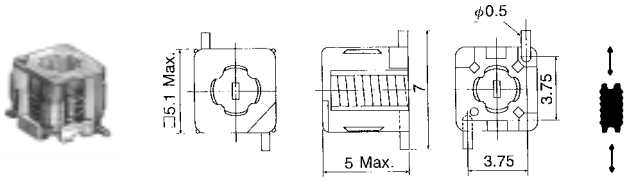
MC152

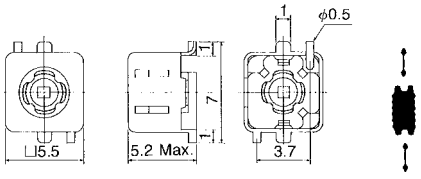
Close Wound
Frequency Range: 30-150MHz (with ferrite core)
Inductance Range: 29~142nH (without case)
27~94nH (with case)
Temperature Coefficient: 150±100ppm/°C (without case)
100±100ppm/°C (with case)

Unshielded



Unit: mm

Shielded



Unit: mm

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(1)	Number of Turns	C Range**	Q(2)	Color Code	Inductance(3)
Ferrite Core					
E558CN-100020	1 1/2	80.4pF±2%	90±20% (at 100MHz)	WHITE	32nH
E558CN-100021	2 1/2	53.8pF±3%	110±20% (at 100MHz)	VIOLET	47nH
E558CN-100022	3 1/2	37.0pF±3%	110±20% (at 100MHz)	ORANGE	68nH
E558CN-100023	4 1/2	28.0pF±3%	115±20% (at 100MHz)	YELLOW	90nH
*E558CN-100024	5 1/2	22.7pF±3%	120±20% (at 100MHz)	WHITE	112nH
*E558CN-100025	6 1/2	17.8pF±3%	120±20% (at 100MHz)	BLUE	142nH
Air Core					
E558HN-100096	1 1/2	86.9pF±10%	85±20% (at 100MHz)	WHITE	29nH
E558HN-100097	2 1/2	61.2pF±10%	100±20% (at 100MHz)	VIOLET	41nH
E558HN-100098	3 1/2	44.9pF±10%	105±20% (at 100MHz)	ORANGE	56nH
E558HN-100099	4 1/2	34.6pF±10%	105±20% (at 100MHz)	YELLOW	73nH
E558HN-100100	5 1/2	27.9pF±10%	120±20% (at 100MHz)	WHITE	91nH
E558HN-100101	6 1/2	22.9pF±10%	120±20% (at 100MHz)	BLUE	111nH
Brass Core					
E558AN-100040	1 1/2	88.6pF± 1%	52±20% (at 100MHz)	WHITE	29nH
E558AN-100041	2 1/2	66.5pF± 3%	63±20% (at 100MHz)	VIOLET	38nH
E558AN-100042	3 1/2	52.4pF± 3%	56±20% (at 100MHz)	ORANGE	48nH
E558AN-100043	4 1/2	44.1pF± 2%	50±20% (at 100MHz)	YELLOW	57nH
E558AN-100044	5 1/2	35.3pF± 2%	50±20% (at 100MHz)	WHITE	72nH
E558AN-100045	6 1/2	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(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.