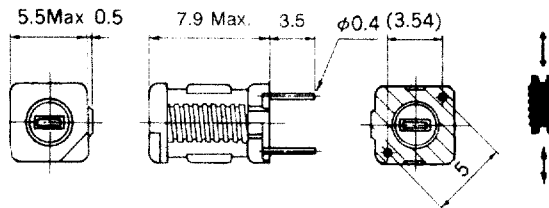


TYPE MC139*Space Wound***Frequency Range:** 30MHz-250MHz⁽¹⁾**Inductance Range:** 0.012~0.134 μ H**Temperature Coefficient:** 150ppm/ $^{\circ}$ C, max.

Unit: mm

Features

- Ultra compact molded coil for RF stage in pager and small sized telecommunications equipment.
- Molded of high temperature grade resin to withstand the heat absorbed during soldering.
- Space wound and without tap.
- 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) Minimum inductance value with core 2 turns above top of case. Applies to certain parts only.

(3) Q measured by Q meter.

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

TYPE MC139

TOKO Part Number ⁽¹⁾	Number of Turns ⁽²⁾	Color Code	Inductance ⁽⁴⁾ (μ H)	Q ⁽³⁾ (min.)	Test Frequency (MHz)	Tuning Range (%)	Shield Case
Ferrite Core							
NE545SN-100091	1 1/2	WHITE	0.027	50	100	\pm 3.5	NO
NE545SN-100092	2 1/2	RED	0.036	80	100	\pm 5	NO
NE545SN-100093	3 1/2	ORANGE	0.060	100	100	\pm 6	NO
NE545SN-100094	4 1/2	YELLOW	0.083	120	100	\pm 6	NO
NE545SN-100095	5 1/2	GREEN	0.110	120	100	\pm 6	NO
NE545SN-100096	6 1/2	BLUE	0.134 ⁽²⁾	120	100	\pm 6	NO
Brass Core							
NE545BN-100097	1 1/2	WHITE	0.015	60	150	\pm 2	NO
NE545BN-100098	2 1/2	RED	0.024	55	150	\pm 3	NO
NE545BN-100099	3 1/2	ORANGE	0.035	55	150	\pm 3.5	NO
NE545BN-100100	4 1/2	YELLOW	0.054	50	150	\pm 3.5	NO
NE545BN-100101	5 1/2	GREEN	0.060 ⁽²⁾	50	150	\pm 3.5	NO
NE545BN-100102	6 1/2	BLUE	0.071 ⁽²⁾	50	150	\pm 3.5	NO
Ferrite Core with shield case							
NE545SNAS-100103	1 1/2	WHITE	0.015	45	100	\pm 2	YES
NE545SNAS-100104	2 1/2	RED	0.026	50	100	\pm 3.5	YES
NE545SNAS-100105	3 1/2	ORANGE	0.040	50	100	\pm 4	YES
NE545SNAS-100106	4 1/2	YELLOW	0.053	50	100	\pm 4	YES
NE545SNAS-100107	5 1/2	GREEN	0.069	50	100	\pm 4	YES
NE545SNAS-100108	6 1/2	BLUE	0.083 ⁽²⁾	50	100	\pm 4	YES
Brass Core with shield case							
NE545BNAS-100081	1 1/2	WHITE	0.012	55	150	\pm 1.5	YES
NE545BNAS-100082	2 1/2	RED	0.020	50	150	\pm 2	YES
NE545BNAS-100083	3 1/2	ORANGE	0.028	50	150	\pm 2.5	YES
NE545BNAS-100084	4 1/2	YELLOW	0.036	45	150	\pm 2.5	YES
NE545BNAS-100085	5 1/2	GREEN	0.048 ⁽²⁾	45	150	\pm 2.5	YES
NE545BNAS-100086	6 1/2	BLUE	0.056 ⁽²⁾	45	150	\pm 2.5	YES