

■ FEATURES

Very strong solderability by flow soldering, soldering iron or wave soldering.

Terminals are highly resistant to pull forces.

Highly resistant to mechanical shocks and pressure.

Highly reliable in environments of sudden temperature change and humidity.

Super Q characteristics.

■ APPLICATIONS

Microtelevisions, liquid crystal televisions, video cameras, portable VCRs, car radios, car stereos, Thin tape radios, television tuners, mobile telephones, radio and other electronic devices.

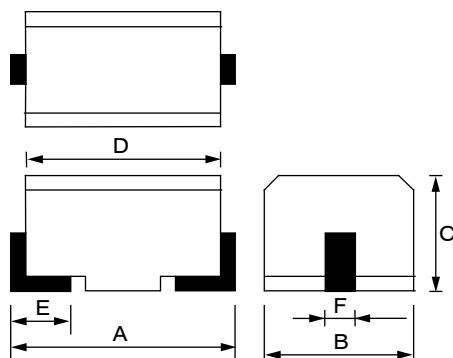
■ PRODUCT IDENTIFICATION

① ② ③ ④ ⑤
SMC - 453232 - R10 M □ □

- ① Product Code
- ② Dimensions
- ③ Inductance Code
- ④ Tolerance Code
- ⑤ Pattern Code

Code	Tolerance
K	$\pm 10\%$
M	$\pm 20\%$

■ PRODUCT DIMENSIONS



Dimension in mm		
	SMC-322522	SMC-453232
A	3.20 ± 0.40	4.50 ± 0.30
B	2.50 ± 0.30	3.20 ± 0.30
C	2.20 ± 0.30	3.20 ± 0.30
D	2.90 ± 0.20	4.10 ± 0.30
E	0.6	1.0
F	1.0	1.2

■ PRODUCT SPECIFICATIONS

Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	S.R.F.(MHz) Min.	R _{DC} (Ω) Max.	I _{DC} (mA) Max.
SMC-322522-1R0M	1.0	10	7.96	100	0.156	770
SMC-322522-1R5M	1.5			80	0.195	580
SMC-322522-2R2M	2.2			65	0.260	480
SMC-322522-3R3M	3.3			55	0.325	400
SMC-322522-4R7M	4.7			45	0.520	320
SMC-322522-6R8M	6.8			35	0.650	280
SMC-322522-100K	10	15	2.52	28	1.105	220
SMC-322522-150K	15			25	1.690	180
SMC-322522-220K	22			20	2.600	145
SMC-322522-330K	33			15	3.640	115
SMC-322522-470K	47	20	0.796	13	5.460	105
SMC-322522-680K	68			10	8.450	85
SMC-322522-101K	100			8	10.14	75

1. Tolerance of inductance: J($\pm 5\%$),K($\pm 10\%$),M($\pm 20\%$)

2. IDC:Based on inductance change($\Delta L/L_0 \leq -10\%$) and Based on temperature rise($\Delta T:20^\circ\text{C}$ Typ.)

Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	S.R.F.(MHz) Min.	R _{DC} (Ω) Max.	I _{DC} (mA) Max.
SMC-453232-1R0K	1.0	10	7.96	180	0.110	1050
SMC-453232-1R2K	1.2			160	0.120	1000
SMC-453232-1R5K	1.5			130	0.150	950
SMC-453232-1R8K	1.8			100	0.160	900
SMC-453232-2R2K	2.2			80	0.180	850
SMC-453232-2R7K	2.7			60	0.200	800
SMC-453232-3R3K	3.3			45	0.220	750
SMC-453232-3R9K	3.9			40	0.240	700
SMC-453232-4R7K	4.7			35	0.270	650
SMC-453232-5R6K	5.6			30	0.300	650
SMC-453232-6R8K	6.8			28	0.350	600
SMC-453232-8R2K	8.2			25	0.400	600

■ PRODUCT SPECIFICATIONS

Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	S.R.F.(MHz) Min.	R _{DC} (Ω) Max.	I _{DC} (mA) Max.
SMC-453232-100K	10	10	2.52	22	0.500	550
SMC-453232-120K	12			21	0.600	500
SMC-453232-150K	15			20	0.700	450
SMC-453232-180K	18			19	0.800	400
SMC-453232-220K	22			18	0.900	370
SMC-453232-270K	27			16	1.200	330
SMC-453232-330K	33			14	1.400	300
SMC-453232-390K	39			12	1.600	280
SMC-453232-470K	47			11	1.900	260
SMC-453232-560K	56			11	2.200	240
SMC-453232-680K	68			10	2.600	220
SMC-453232-820K	82			9	3.500	200
SMC-453232-101K	100	20	0.796	8	4.000	180
SMC-453232-121K	120			7	4.500	160
SMC-453232-151K	150			7	6.500	140
SMC-453232-181K	180			6	7.500	120
SMC-453232-221K	220			5	9.000	120
SMC-453232-271K	270			5	11.00	100
SMC-453232-331K	330			4	13.00	90

1. Tolerance of inductance: J($\pm 5\%$),K($\pm 10\%$),M($\pm 20\%$)

2. IDC:Based on inductance change($\Delta L/L_0: \leq -10\%$) and Based on temperature rise($\Delta T: 20^\circ\text{C}$ Typ.)