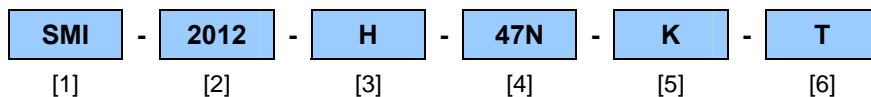


FEATURES

- Monolithic structure for high reliability
- No cross coupling between inductors due to magnetic shield. Ideal for high density installation.
- Dimensions are unified for automatic mounting.
- Excellent solderability and high heat resistance for either flow or reflow soldering.
- Closed magnetic circuit avoids crosstalk and is suitable for high density printed circuit boards.


APPLICATIONS

- Personal or notebook computers and peripheral equipment (CD-Rom, Hard Disk, Modem, Printers).
- Other various electronic appliances.

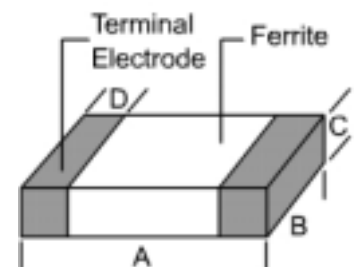
ORDERING CODE


- [1] **Product Type** : SMI
 [2] **Size Code** : See Chip Size Table
 [3] **Material Code**: V, U, J, X
 [4] **Inductance** : E.g. 47N = 0.047uH; R22 = 0.22uH; 3R9 = 3.9uH
 [5] **Tolerance** : K \pm 10%; M \pm 20%
 [6] **Packing** : T-Tape & Reel; B-Bulk

DIMENSIONS

Type	A	B	C	D
1005 (0402)	1.0 \pm 0.15	0.5 \pm 0.15	0.5 \pm 0.15	0.25 \pm 0.10
1608 (0603)	1.6 \pm 0.15	0.8 \pm 0.15	0.8 \pm 0.15	0.3 \pm 0.20
2012 (0805)	2.0 \pm 0.2	1.2 \pm 0.2	0.9 \pm 0.2	0.5 \pm 0.20
3216 (1206)	3.2 \pm 0.2	1.6 \pm 0.2	1.1 \pm 0.3	0.5 \pm 0.30
3225 (1210)	3.2 \pm 0.2	2.5 \pm 0.2	1.3 \pm 0.3	0.5 \pm 0.30
4516 (1806)	4.5 \pm 0.2	1.6 \pm 0.2	1.6 \pm 0.3	0.5 \pm 0.30
4532 (1812)	4.5 \pm 0.2	3.2 \pm 0.2	1.5 \pm 0.3	0.5 \pm 0.30

Unit: mm



SMI Series Type 1005(0402)

SKYMOS Part Number	L (μH)	Tolerance	Q min.	L.Q. Test Freq. (MHz)	SRF Freq. (MHz) min.	DCR (Ω) Max.	Rated Current (mA) max.
SMI100505V47N□○	0.047	K - ±10% or M - ±20%	10	50	220	0.45	25
SMI100505V68N□○	0.068		10	50	210	0.45	25
SMI100505V82N□○	0.082		10	50	200	0.45	25
SMI100505VR10□○	0.10		15	25	200	0.80	25
SMI100505VR12□○	0.12		15	25	165	0.80	25
SMI100505VR15□○	0.15		15	25	140	0.90	25
SMI100505VR18□○	0.18		15	25	120	0.90	25
SMI100505VR22□○	0.22		15	25	110	1.20	25
SMI100505VR27□○	0.27		15	25	95	1.20	25
SMI100505VR33□○	0.33		15	25	85	1.25	18
SMI100505VR39□○	0.39		15	25	70	1.50	18
SMI100505VR47□○	0.47		15	25	68	2.00	18
SMI100505VR56□○	0.56		15	25	55	2.35	18
SMI100505VR68□○	0.68		15	25	50	2.55	18
SMI100505VR82□○	0.82		15	10	45	3.15	18
SMI100505U1R0□○	1.0		20	10	40	0.90	15
SMI100505U1R2□○	1.2		20	10	35	1.20	15
SMI100505U1R5□○	1.5		20	10	30	1.20	15
SMI100505U1R8□○	1.8		20	10	30	1.45	15
SMI100505U2R2□○	2.2		20	10	28	1.75	10
SMI100505U2R7□○	2.7		20	10	22	2.00	10
SMI100505U3R3□○	3.3		20	10	20	2.35	10
SMI100505U3R9□○	3.9		20	10	18	2.55	10
SMI100505U4R7□○	4.7		20	10	15	3.15	10
SMI100505U5R6□○	5.6		20	4	13	2.35	3
SMI100505U6R8□○	6.8		20	4	11	2.55	3
SMI100505U8R2□○	8.2		20	4	10	3.15	3
SMI100505U100□○	10		20	2	9	3.45	2

□ Please specify the inductance tolerance: K±10%; M±20%

○ Please specify the packing style: T-Tape & Reel ; B-Bulk

Specific requirement can be made upon request

SMI Series Type 1608(0603)

SKYMOS Part Number	L (μH)	Tolerance	Q min.	L.Q. Test Freq. (MHz)	SRF Freq. (MHz) min.	DCR (Ω) Max.	Rated Current (mA) max.
SMI160808V47N□○	0.047	K - ±10% or M - ±20%	15	50	260	0.30	50
SMI160808V68N□○	0.068		15	50	250	0.30	50
SM160808V82N□○	0.082		15	50	245	0.30	50
SMI160808VR10□○	0.10		20	25	240	0.50	50
SMI160808VR12□○	0.12		20	25	205	0.50	50
SMI160808VR15□○	0.15		20	25	180	0.60	50
SMI160808VR18□○	0.18		20	25	165	0.60	50
SMI160808VR22□○	0.22		20	25	150	0.80	50
SMI160808VR27□○	0.27		20	25	136	0.80	50
SMI160808VR33□○	0.33		20	25	125	0.85	35
SMI160808VR39□○	0.39		20	25	110	1.00	35
SMI160808VR47□○	0.47		20	25	105	1.35	35
SMI160808VR56□○	0.56		20	25	95	1.55	35
SMI160808VR68□○	0.68		20	25	90	1.70	35
SMI160808VR82□○	0.82		20	25	85	2.10	35
SMI160808U1R0□○	1.0		35	10	75	0.60	25
SMI160808U1R2□○	1.2		35	10	65	0.80	25
SMI160808U1R5□○	1.5		35	10	60	0.80	25
SMI160808U1R8□○	1.8		35	10	55	0.95	25
SMI160808U2R2□○	2.2		35	10	50	1.15	15
SMI160808U2R7□○	2.7		35	10	45	1.35	15
SMI160808U3R3□○	3.3		35	10	40	1.55	15
SMI160808U3R9□○	3.9		35	10	36	1.70	15
SMI160808U4R7□○	4.7		35	10	33	2.10	15
SMI160808X5R6□○	5.6		35	4	22	1.55	5
SMI160808X6R8□○	6.8		35	4	20	1.70	5
SMI160808J8R2□○	8.2		35	4	18	2.10	5
SMI160808J100□○	10		30	2	17	2.55	5
SMI160808J120□○	12		30	2	15	2.75	5
SMI160808J150□○	15		20	1	14	1.70	1
SMI160808J180□○	18		20	1	13	1.85	1
SMI160808J220□○	22		20	1	11	2.10	1
SMI160808J270□○	27		20	1	10	2.75	1
SMI160808J330□○	33	20	1	9	2.95	1	

□ Please specify the inductance tolerance: J±5%; K±10%; M±20%

○ Please specify the package style: T – Tape & Reel; B – Bulk

Specific requirement can be made upon request

SMI Series Type 2012(0805)

SKYMOS Part Number	L (μH)	Tolerance	Q min.	L.Q. Test Freq. (MHz)	SRF Freq. (MHz) min.	DCR (Ω) Max.	Rated Current (mA) max.
SMI201209V47N□○	0.047	K - ±10% or M - ±20%	15	50	320	0.20	300
SMI201209V68N□○	0.068		15	50	280	0.20	300
SM201209V82N□○	0.082		15	50	255	0.20	300
SMI201209VR10□○	0.10		20	25	235	0.30	250
SMI201209VR12□○	0.12		20	25	220	0.30	250
SMI201209VR15□○	0.15		20	25	200	0.40	250
SMI201209VR18□○	0.18		20	25	185	0.40	250
SMI201209VR22□○	0.22		20	25	170	0.50	250
SMI201209VR27□○	0.27		20	25	150	0.50	250
SMI201209VR33□○	0.33		20	25	145	0.55	250
SMI201209VR39□○	0.39		25	25	135	0.65	200
SMI201209VR47□○	0.47		25	25	125	0.65	200
SMI201209VR56□○	0.56		25	25	115	0.70	150
SMI201209VR68□○	0.68		25	25	105	0.80	150
SMI201209VR82□○	0.82		25	25	100	1.00	150
SMI201209U1R0□○	1.0		45	10	75	0.40	50
SMI201209U1R2□○	1.2		45	10	65	0.50	50
SMI201209U1R5□○	1.5		45	10	60	0.50	50
SMI201209U1R8□○	1.8		45	10	55	0.60	50
SMI201209U2R2□○	2.2		45	10	50	0.65	30
SMI201209U2R7□○	2.7		45	10	45	0.75	30
SMI201209U3R3□○	3.3		45	10	41	0.80	30
SMI201209U3R9□○	3.9		45	10	38	0.90	30
SMI201209U4R7□○	4.7		45	10	35	1.00	30
SMI201209U5R6□○	5.6		50	4	32	0.90	15
SMI201209U6R8□○	6.8		50	4	29	1.00	15
SMI201209U8R2□○	8.2		50	4	26	1.10	15
SMI201209U100□○	10		50	2	24	1.20	15
SMI201209U120□○	12		50	2	22	1.30	15
SMI201209U150□○	15		30	1	19	0.80	5
SMI201209U180□○	18		30	1	18	0.90	5
SMI201209U220□○	22		30	1	16	1.10	5
SMI201209U270□○	27		30	1	14	1.20	5
SMI201209U330□○	33		30	1	13	1.30	5
SMI201209U390□○	39		30	1	11	1.35	5
SMI201209U390□○	39		30	1	11	1.35	5
SMI201209U470□○	47		30	1	11	1.40	5

□ Please specify the inductance tolerance: J±5%; K±10%; M±20%

○ Please specify the package style: T – Tape & Reel; B – Bulk

Specific requirement can be made upon request

SMI Series Type 3216(1206)

SKY MOS Part Number	L (μH)	Tolerance	Q min.	L.Q. Test Freq. (MHz)	SRF Freq. (MHz) min.	DCR (Ω) Max.	Rated Current (mA) max.
SMI321611V47N□○	0.047	K - ±10% or M - ±20%	20	50	320	0.15	300
SMI321611V68N□○	0.068		20	50	280	0.25	300
SMI321611VR10□○	0.10		20	25	235	0.25	250
SMI321611VR12□○	0.12		20	25	220	0.30	250
SMI321611VR15□○	0.15		20	25	200	0.30	250
SMI321611VR18□○	0.18		20	25	185	0.40	250
SMI321611VR22□○	0.22		20	25	170	0.40	250
SMI321611VR27□○	0.27		20	25	150	0.50	250
SMI321611VR33□○	0.33		20	25	145	0.60	250
SMI321611VR39□○	0.39		25	25	135	0.50	200
SMI321611VR47□○	0.47		25	25	125	0.60	200
SMI321611VR56□○	0.56		25	25	115	0.70	150
SMI321611VR68□○	0.68		25	25	105	0.80	150
SMI321611VR82□○	0.82		25	25	100	0.90	150
SMI321611U1R0□○	1.0		45	10	70	0.40	100
SMI321611U1R2□○	1.2		45	10	65	0.50	100
SMI321611U1R5□○	1.5		45	10	60	0.50	50
SMI321611U1R8□○	1.8		45	10	55	0.50	50
SMI321611U2R2□○	2.2		45	10	50	0.60	50
SMI321611U2R7□○	2.7		45	10	45	0.60	50
SMI321611U3R3□○	3.3		45	10	41	0.70	50
SMI321611U3R9□○	3.9		45	10	38	0.80	50
SMI321611U4R7□○	4.7		45	10	35	0.90	50
SMI321611U5R6□○	5.6		50	4	32	0.70	25
SMI321611U6R8□○	6.8		50	4	29	0.80	25
SMI321611U8R2□○	8.2		50	4	26	0.90	25
SMI321611X100□○	10		50	2	24	1.00	25
SMI321611X120□○	12		50	2	22	1.05	15
SMI321611J150□○	15		35	1	19	0.70	5
SMI321611J180□○	18		35	1	18	0.70	5
SMI321611J220□○	22		35	1	16	0.90	5
SMI321611J270□○	27		35	1	14	0.90	5
SMI321611J330□○	33		35	1	13	1.05	5
SMI321611J390□○	39		40	1	11	1.50	5
SMI321611J470□○	47		40	1	10	1.50	5
SMI321611J560□○	56		40	1	9.5	2.00	4
SMI321611J560□○	56		40	1	9.5	2.00	4
SMI321611J680□○	68		40	1	9	2.20	4
SMI321611J820□○	82		40	1	9	2.40	4
SMI321611J101□○	100		40	1	9	2.60	4
SMI321611J121□○	120		30	1	8	2.80	4