

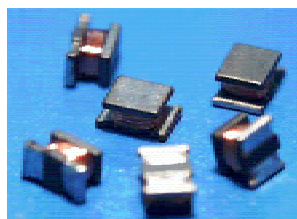


Chilisin Electronics Singapore Pte Ltd

SMD Miniature Inductors, SQV Series

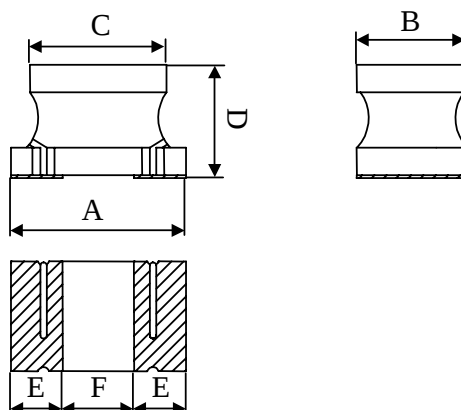


Feature:



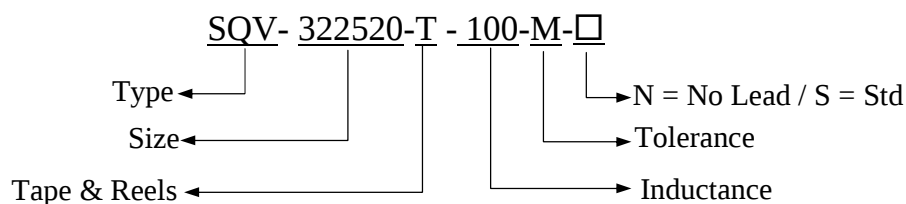
- # Specially design ferrite core for this miniature series
- # Low cost
- # High "Q" value at High frequency and Low DCR
- # High Reliability
- # Wide range of Inductance

Dimensions in mm:



Series	A	B	C	D	E(Ref)	F(Ref)
SQV-322520	3.2±0.3	2.5±0.2	2.5±0.2	2.0±0.2	0.9	1.3
SQV-453226	4.5±0.3	3.2±0.2	3.6±0.2	2.6±0.2	1.2	1.6

Ordering Code:



Series	Inductance	Current
SQV-322520	0.1 uH to 560uH	700mA to 40mA
SQV-453226	1.0uH to 2200uH	500mA to 30mA

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Electrical Characteristics

PART NO.	Inductance (μ H)	Q MIN.	TEST FREQ. (KHz)		SRF (MHz) MIN.	RDC (Ω) MAX.	IDC (mA) MAX.
			L	Q			
SQV-322520-T-R10-□-N	0.1	20	1000	25200	200	0.25	700
SQV-322520-T-R18-□-N	0.18	20	1000	25200	200	0.25	650
SQV-322520-T-R27-□-N	0.27	25	1000	25200	200	0.25	600
SQV-322520-T-R39-□-N	0.39	25	1000	25200	200	0.25	530
SQV-322520-T-R56-□-N	0.56	30	1000	25200	160	0.25	530
SQV-322520-T-R68-□-N	0.68	30	1000	25200	160	0.25	470
SQV-322520-T-R82-□-N	0.82	30	1000	25200	120	0.25	450
SQV-322520-T-1R0-□-N	1	20	1000	1000	100	0.5	445
SQV-322520-T-1R2-□-N	1.2	20	1000	1000	100	0.6	425
SQV-322520-T-1R5-□-N	1.5	20	1000	1000	75	0.6	400
SQV-322520-T-1R8-□-N	1.8	20	1000	1000	60	0.7	390
SQV-322520-T-2R2-□-N	2.2	20	1000	1000	50	0.8	370
SQV-322520-T-2R7-□-N	2.7	20	1000	1000	43	0.9	320
SQV-322520-T-3R3-□-N	3.3	20	1000	1000	38	1	300
SQV-322520-T-3R9-□-N	3.9	20	1000	1000	35	1.1	290
SQV-322520-T-4R7-□-N	4.7	20	1000	1000	31	1.2	270
SQV-322520-T-5R6-□-N	5.6	20	1000	1000	28	1.3	250
SQV-322520-T-6R8-□-N	6.8	20	1000	1000	25	1.5	240
SQV-322520-T-8R2-□-N	8.2	20	1000	1000	23	1.6	225
SQV-322520-T-100-□-N	10	25	1000	1000	20	1.8	190
SQV-322520-T-120-□-N	12	25	1000	1000	18	2	180
SQV-322520-T-150-□-N	15	25	1000	1000	16	2.2	170
SQV-322520-T-180-□-N	18	25	1000	1000	15	2.5	165
SQV-322520-T-220-□-N	22	25	1000	1000	14	2.8	150
SQV-322520-T-270-□-N	27	25	1000	1000	13	3.1	125
SQV-322520-T-330-□-N	33	25	1000	1000	12	3.5	115
SQV-322520-T-390-□-N	39	25	1000	1000	11	3.9	110
SQV-322520-T-470-□-N	47	25	1000	1000	11	4.3	100
SQV-322520-T-560-□-N	56	25	1000	1000	10	4.9	85
SQV-322520-T-680-□-N	68	25	1000	1000	9.0	5.5	80
SQV-322520-T-820-□-N	82	25	1000	1000	8.5	6.2	70
SQV-322520-T-101-□-N	100	30	1000	796	8.0	7	80
SQV-322520-T-121-□-N	120	30	1000	796	7.5	8	75
SQV-322520-T-151-□-N	150	30	1000	796	7.0	9.3	70
SQV-322520-T-181-□-N	180	30	1000	796	6.0	10.2	65
SQV-322520-T-221-□-N	220	30	1000	796	5.5	11.8	65
SQV-322520-T-271-□-N	270	30	1000	796	5.0	12.5	65
SQV-322520-T-331-□-N	330	30	1000	796	5.0	13	65
SQV-322520-T-391-□-N	390	30	1000	796	5.0	22.0	50
SQV-322520-T-471-□-N	470	30	1	796	5.0	25.0	45
SQV-322520-T-561-□-N	560	30	1	796	5.0	28.0	40

Tolerance : M = $\pm 20\%$, K = $\pm 10\%$ and J = $\pm 5\%$

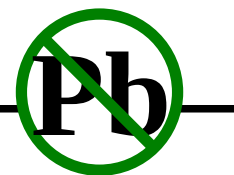
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SMD Miniature Inductors, SQV Series



SDI-453226 Series

PART NO.	Inductance (μ H)	Q MIN.	TEST FREQ. (KHz)		SRF (MHz) MIN.	RDC (Ω) MAX.	IDC (mA) MAX.
			L	Q			
SQV-453226-T-1R0-□-N	1	20	1000	1000	120	0.20	500
SQV-453226-T-1R2-□-N	1.2	20	1000	1000	100	0.20	500
SQV-453226-T-1R5-□-N	1.5	20	1000	1000	85	0.30	500
SQV-453226-T-1R8-□-N	1.8	20	1000	1000	75	0.30	500
SQV-453226-T-2R2-□-N	2.2	20	1000	1000	62	0.30	500
SQV-453226-T-2R7-□-N	2.7	20	1000	1000	53	0.32	500
SQV-453226-T-3R3-□-N	3.3	20	1000	1000	47	0.35	500
SQV-453226-T-3R9-□-N	3.9	20	1000	1000	41	0.38	500
SQV-453226-T-4R7-□-N	4.7	30	1000	1000	38	0.40	500
SQV-453226-T-5R6-□-N	5.6	30	1000	1000	33	0.47	500
SQV-453226-T-6R8-□-N	6.8	30	1000	1000	31	0.50	450
SQV-453226-T-8R2-□-N	8.2	30	1000	1000	27	0.56	450
SQV-453226-T-100-□-N	10	35	1000	1000	23	0.56	400
SQV-453226-T-120-□-N	12	35	1000	1000	21	0.62	380
SQV-453226-T-150-□-N	15	35	1000	1000	19	0.73	360
SQV-453226-T-180-□-N	18	35	1000	1000	17	0.82	340
SQV-453226-T-220-□-N	22	35	1000	1000	15	0.94	320
SQV-453226-T-270-□-N	27	35	1000	1000	14	1.1	300
SQV-453226-T-390-□-N	39	35	1000	1000	11	1.4	240
SQV-453226-T-470-□-N	47	35	1000	1000	10	1.5	220
SQV-453226-T-560-□-N	56	35	1000	1000	9.3	1.7	200
SQV-453226-T-680-□-N	68	35	1000	1000	8.4	1.9	180
SQV-453226-T-820-□-N	82	35	1000	1000	7.5	2.2	170
SQV-453226-T-101-□-N	100	40	1000	796	6.8	2.5	160
SQV-453226-T-121-□-N	120	40	1000	796	6.2	3.0	150
SQV-453226-T-151-□-N	150	40	1000	796	5.5	3.7	130
SQV-453226-T-181-□-N	180	40	1000	796	5.0	4.5	120
SQV-453226-T-221-□-N	220	40	1000	796	4.5	5.4	110
SQV-453226-T-271-□-N	270	40	1000	796	4.0	6.8	100
SQV-453226-T-331-□-N	330	40	1000	796	3.6	8.2	95
SQV-453226-T-391-□-N	390	40	1000	769	3.3	9.7	90
SQV-453226-T-471-□-N	470	40	1	769	3.0	11.8	80
SQV-453226-T-561-□-N	560	40	1	769	2.7	14.5	70
SQV-453226-T-681-□-N	680	40	1	769	2.5	17.0	65
SQV-453226-T-821-□-N	820	40	1	769	2.2	20.5	60
SQV-453226-T-102-□-N	1000	40	1	252	2.0	25.0	50
SQV-453226-T-122-□-N	1200	40	1	252	1.8	30.0	45
SQV-453226-T-152-□-N	1500	40	1	252	1.6	37.0	40
SQV-453226-T-182-□-N	1800	40	1	252	1.5	45.0	35
SQV-453226-T-222-□-N	2200	40	1	252	1.3	50.0	30

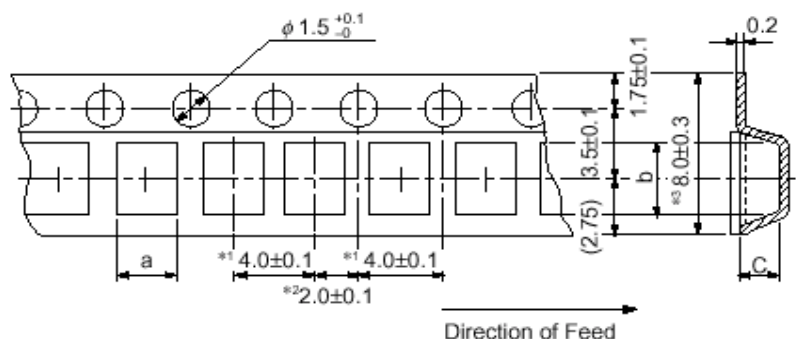
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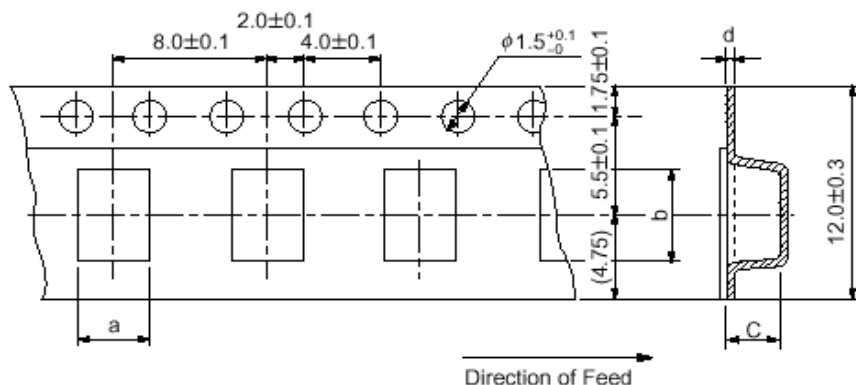
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Dimensions of Taping:



Series	a	b	c	7" Reel	13" Reel
SQV 322520 Series	2.9	3.6	2.2	2,000	7,500



Series	a	b	c	d	7" Reel	13" Reel
SQV 453226 Series	3.6	4.9	3.1	0.3	500	2,500