



Frontier Electronics Corp.

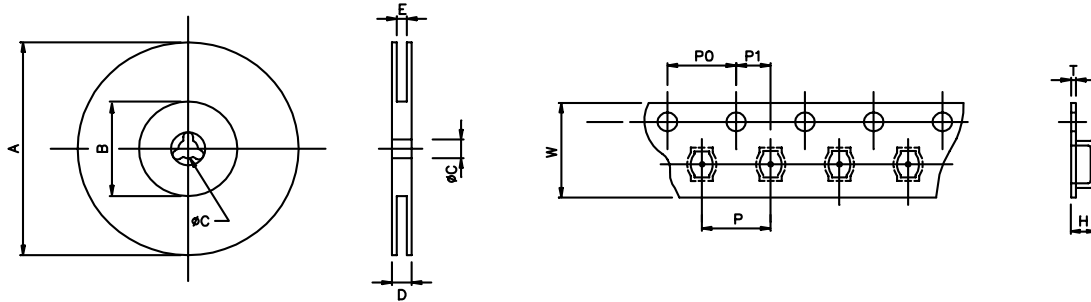
667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

TEL: (805) 522-9998 FAX: (805) 522-9989

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Tape and Reel Specifications



SMD RF Multi-layer Ferrite Chip Beads

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
100505 (0402)	178	75	13	12.5	10	8	2	4	2	0.8	0.23	10,000	---		500,000
160808 (0603)	178	75	13	12.5	10	8	4	4	2	1.05	0.23	4,000	---		200,000
201209 (0805)	178	75	13	12.5	10	8	4	4	2	1.04	0.23	4,000	---		200,000
321611 (1206)	178	75	13	12.5	10	8	4	4	2	1.27	0.23	3,000	---		150,000
321616 (1206)	178	75	13	12.5	10	8	4	4	2	1.78	0.23	2,000	---		100,000
322513 (1210)	178	75	13	12.5	10	8	4	4	2	1.43	0.23	2,000	---		100,000
451616 (1806)	178	75	13	16.5	14	12	4	4	2	1.93	0.23	2,000	---		80,000
453215 (1812)	178	75	13	16.5	14	12	8	4	2	1.83	0.23	1,000	---		40,000

SMD RF Multi-layer Ceramic/Ferrite Chip Inductors

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
TF100505 (0402)	178	75	13	12.5	10	8	2	4	2	0.8	0.23	10,000	---		500,000
TF160808 (0603)	178	75	13	12.5	10	8	4	4	2	1.05	0.23	4,000	---		200,000
FL160808 (0603)	178	75	13	12.5	10	8	4	4	2	1.05	0.23	4,000	---		200,000
TF201209 (0805)	178	75	13	12.5	10	8	4	4	2	1.04	0.23	4,000	---		200,000
TF201212 (0805)	178	75	13	12.5	10	8	4	4	2	1.60	0.23	2,000	---		100,000
FL201209 (0805)	178	75	13	12.5	10	8	4	4	2	1.04	0.23	4,000	---		200,000
FL201212 (0805)	178	75	13	12.5	10	8	4	4	2	1.60	0.23	2,000	---		100,000
FL321611 (1206)	178	75	13	12.5	10	8	4	4	2	1.27	0.23	3,000	---		150,000
FL321616 (1206)	178	75	13	12.5	10	8	4	4	2	1.78	0.23	2,000	---		100,000



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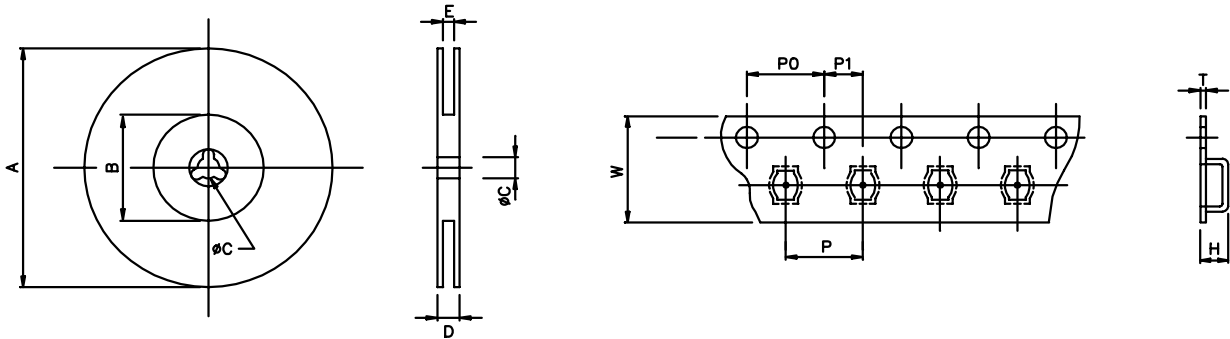
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Tape and Reel Specifications



SMD Wire Wound RF Ceramic/Ferrite Chip Inductors/RFID Transponder Coils

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
0603C	178	50	13	12.5	8.4	8	4	4	2	1.04	0.22	4,000	---	20,000	120,000
0805C	178	50	13	12.5	8.4	8	4	4	2	1.70	0.25	3,000	---	15,000	90,000
0805F	178	50	13	12.5	8.4	8	4	4	2	1.70	0.25	3,000	---	15,000	90,000
1008C	178	50	13	12.5	8.4	8	4	4	2	2.52	0.25	2,000	---	10,000	60,000
1210C	178	50	13	12.5	8.4	8	4	4	2	2.43	0.23	2,000	---	10,000	60,000
1008F	178	50	13	12.5	8.4	8	4	4	2	2.52	0.25	2,000	---	10,000	60,000
1210F	178	50	13	12.5	8.4	8	4	4	2	2.35	0.25	2,000	---	10,000	60,000
1206SDF	178	50	13	12.5	8.4	12	8	4	2	2.35	0.23	---	1,800	5,400	16,200
1210SDF	178	50	13	12.5	8.4	12	8	4	2	2.43	0.23	---	2,500	7,500	22,500
1306F	178	50	13	12.5	8.4	8	4	4	2	1.95	0.23	2,000	---	10,000	60,000
2220SDF	178	50	13	16.5	12.5	12	8	4	2	3.50	0.35	---	1,400	4,200	12,600
CF322522	178	50	13	12.5	8.4	8	4	4	2	2.52	0.25	2,000	---	10,000	60,000
CF453232	178	50	13	16.5	12.5	12	8	4	2	3.50	0.35	500	---	2,000	12,000
STC1120	360	100	13	30.4	24.4	24	8	4	2	2.70	0.30	---	3,000	6,000	30,000

SMD Air Coil

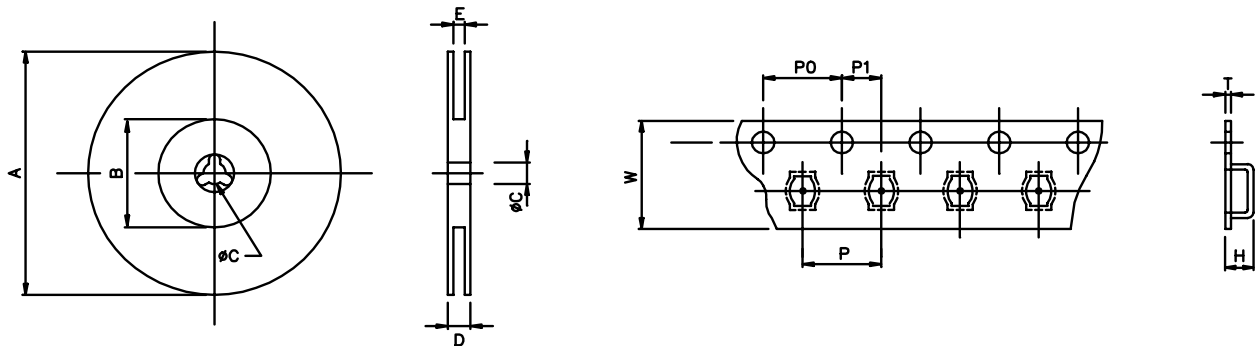
Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
291A	178	50	13	16.5	12.5	12	8	4	2	3.56	0.25	500	---	2,000	12,000
291B	178	50	13	21.5	16.5	16	8	4	2	3.58	0.25	500	---	1,500	9,000
292A	178	50	13	12.5	8.4	8	8	4	2	1.70	0.30	1,000	---	5,000	30,000
292B	178	50	13	16.5	12.5	12	8	4	2	1.95	0.35	1,000	---	3,000	18,000
293A	340	100	13	21.5	16.5	16	12	4	2	4.40	0.30	---	1,000	1,000	10,000
294A	340	100	13	29.5	24.5	24	12	4	2	6.25	0.35	---	1,000	1,000	8,000



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Tape and Reel Specifications



SMD Balun Transformers

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
SBT201	340	100	13	16.5	12.5	12	8	4	2	3.75	0.35	---	2500	5000	35,000
SBT203	340	100	13	16.5	12.5	12	8	4	2	3.75	0.35	---	2500	5000	35,000
SBT213	340	100	13	16.5	12.5	12	8	4	2	3.75	0.35	---	2500	5000	35,000
SBT301	340	100	13	22.5	16.5	16	12	4	2	4.65	0.35	---	1000	2000	12,000
SBT303	340	100	13	22.5	16.5	16	12	4	2	4.65	0.35	---	1000	2000	12,000
SBT205	340	100	13	22.5	16.5	16	12	4	2	3.5	0.35	---	1500	3000	18,000

SMT Transformer/Inductor/Chip Common Mode Choke Coils

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
SDLF-XXX	340	100	13	22.5	16.5	16	12	4	2	4.45	0.35	---	1,500	1,500	12,000
SMTxxx-1A/-1MA	340	60	13	30.4	25.5	24	16	4	2	5.41	0.37	---	800	800	8,000
SMTxxx-2A/-2MA	340	60	13	30.4	25.5	24	20	4	2	6.76	0.37	---	500	500	5,000
TSS1230F	340	60	13	30.5	24.5	24	16	4	2	3.40	0.30	---	1,000	1,000	8,000
SCM2012F	178	50	13	12.5	8.40	8	4	4	8	1.25	0.22	3,000	---	15,000	90,000
SCM2012F-I	178	50	13	12.5	8.40	8	4	4	2	1.45	0.22	3,000	---	15,000	90,000
SCM3216F	178	75	13	12.5	10	8	4	4	2	1.43	0.23	2,000	---	10,000	100,000



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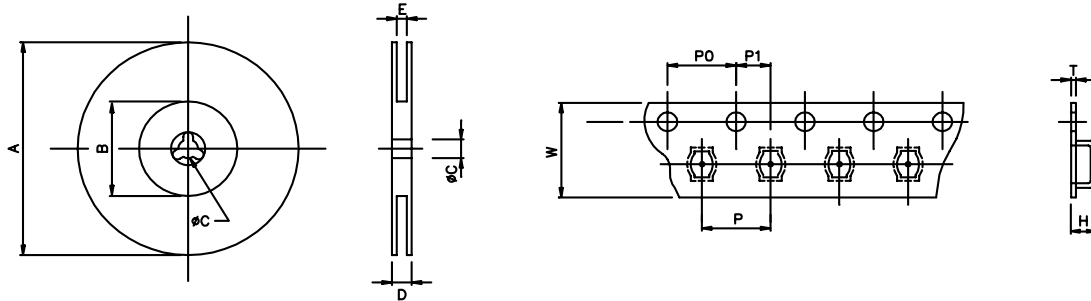
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Tape and Reel Specifications



SMD Power Choke

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
CSN054B	340	100	13	29.5	24.5	24	12	4	2	5.80	0.36	---	1,000	1,000	8,000
CSN075B	340	100	13	29.5	24.5	24	12	4	2	6.00	0.36	---	800	800	6,400
CSN105B	340	100	13	29.5	24.5	24	16	4	2	6.00	0.36	---	600	600	4,800
CSS054B	340	100	13	29.5	24.5	24	12	4	2	6.00	0.36	---	800	800	6,400
CSS075B	340	100	13	29.5	24.5	24	16	4	2	6.00	0.36	---	600	600	4,800
CSS105B	340	100	13	29.5	24.5	24	20	4	2	6.00	0.36	---	500	500	4,000
CSN032D	180	50	13	18.4	12.5	12	8	4	2	2.85	0.35	900	---	3,600	21,600
CSN043D	340	100	13	16.5	12.5	12	8	4	2	3.40	0.35	---	2,250	4,500	13,500
CSN054D	340	100	13	21.5	16.5	16	12	4	2	5.00	0.30	---	1,200	2,400	7,200
CSN073D	340	100	13	21.5	16.5	16	12	4	2	4.15	0.35	---	1,400	2,800	8,400
CSN075D	340	100	13	21.5	16.5	16	12	4	2	5.80	0.30	---	1,000	2,000	6,000
CSN104D	340	100	13	29.5	24.5	24	12	4	2	4.80	0.30	---	1,200	1,200	4,800
CSN105D	340	100	13	29.5	24.5	24	16	4	2	6.40	0.30	---	700	700	2,800
CSS054D	340	100	13	29.5	24.5	24	12	4	2	6.00	0.36	---	800	800	6,400
CSS063D	340	100	13	21.5	16.5	16	12	4	2	5.00	0.30	---	1,600	1,600	12,800
CSS075D	340	100	13	29.5	24.5	24	16	4	2	6.40	0.30	---	700	700	2,800
CSS105D	340	100	13	29.5	24.5	24	16	4	2	6.00	0.36	---	500	500	4,000
CSN042A	178	50	13	21.5	16.5	16	8	4	2	2.00	0.30	1,000	---	5,000	30,000
CSN042C	340	100	13	21.5	16.5	16	8	4	2	3.70	0.30	---	2,500	5,000	15,000
CSC042A	178	50	13	20.5	16.5	16	8	4	2	2.00	0.30	1,000	---	5,000	30,000
CSS042C	340	100	13	20.5	16.5	16	8	4	2	3.70	0.30	---	2,500	5,000	15,000
CST042C	340	100	13	20.5	16.5	16	8	4	2	3.70	0.30	---	2,500	5,000	15,000
CSN0810S	340	100	13	37.5	32.5	32	20	4	2	11.30	0.40	---	250	250	2,000
CSN082S	340	100	13	29.5	24.5	24	16	4	2	4.15	0.30	---	1,000	1,000	4,000
CSN084S	340	100	13	29.5	24.5	24	16	4	2	6.25	0.35	---	500	500	4,000
CSH084S	340	100	13	29.5	24.5	24	16	4	2	6.60	0.35	---	700	700	5,600
CSS084S	340	100	13	29.5	24.5	24	16	4	2	6.60	0.35	---	700	700	5,600
CST084S	340	100	13	29.5	24.5	24	16	4	2	6.60	0.35	---	500	500	4,000
CST084F	340	100	12	29.5	24.5	24	16	4	2	5.85	0.35	---	700	700	5,600
CSN136S	340	100	13	37.5	32.5	32	24	4	2	8.50	0.35	---	350	350	2,800
CSN136F	340	100	13	38.4	32.5	32	20	4	2	7.65	0.35	---	350	350	2,800
CSH1250S	340	100	13	30.4	24.5	24	16	4	2	6.50	0.35	---	500	500	4,000
CSH1260S	340	100	13	30.4	24.5	24	16	4	2	6.80	0.35	---	500	500	4,000
CSH1260ER	340	100	13	30.4	24.5	24	16	4	2	6.30	0.40	---	500	500	4,000
CSH1560SR	330	100	13	31.5	24.5	24	20	4	2	6.30	0.40	---	500	500	4,000
CSH136S	340	100	13	38.4	32.5	32	20	4	2	7.60	0.35	---	450	450	3,600
CSS136S	340	100	13	37.5	32.5	32	24	4	2	8.50	0.35	---	350	350	2,800



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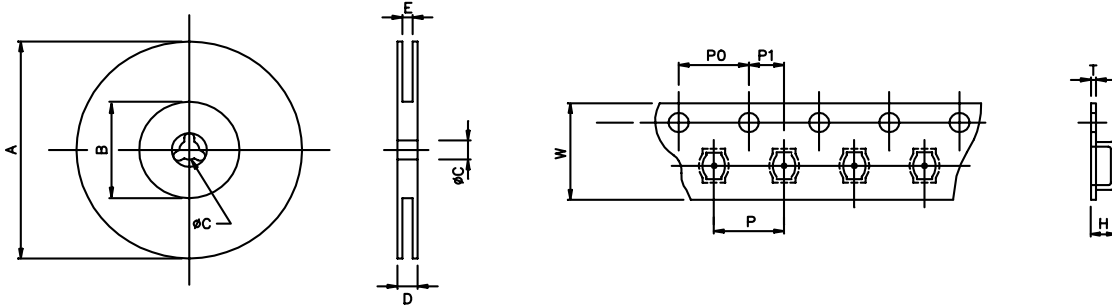
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Tape and Reel Specifications



SMD Power Choke

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	H	T	7"	13"	Box	Carton
CSN073F	340	100	13	21.5	16.5	16	12	4	2	4.00	0.30	---	1,400	2,800	8,400
CSN075F	340	100	13	21.5	16.5	16	12	4	2	5.85	0.30	---	1,100	2,200	6,600
CSN082F	340	100	13	30.4	24.5	24	16	4	2	3.00	0.35	---	1,300	1,300	13,000
CSN084F	340	100	13	30.4	24.5	24	16	4	2	5.85	0.35	---	750	750	6,000
CSS073F	340	100	13	21.5	16.5	16	12	4	2	4.00	0.30	---	1,400	2,800	8,400
CSS075F	340	100	13	21.5	16.5	16	12	4	2	5.85	0.30	---	1,100	2,200	6,600
CSS084F	340	100	13	30.4	24.5	24	16	4	2	5.85	0.35	---	750	750	6,000
CSS124F	340	100	13	30.5	25.0	24	16	4	2	5.50	0.35	---	750	750	6,000
CSS125F	340	100	13	30.5	25.0	24	16	4	2	6.50	0.35	---	500	500	4,000
CSS127F	340	100	13	29.5	24.5	24	16	4	2	8.80	0.40	---	500	500	4,000
CSS136F	340	100	13	38.4	32.5	32	20	4	2	7.90	0.40	---	350	350	2,800
CSS0211P	180	50	13	16.5	12.5	12	8	4	2	1.30	0.30	1,000	---	4,000	24,000
CSS0214P	180	50	13	16.5	12.5	12	8	4	2	1.60	0.30	1,000	---	4,000	24,000
CSS0218P	180	50	13	16.5	12.5	12	8	4	2	2.10	0.30	1,000	---	4,000	24,000
CSS0316P	180	50	13	16.5	12.5	12	8	4	2	2.50	0.30	1,000	---	4,000	24,000
CSS0418P	340	100	13	21.5	16.5	16	8	4	2	2.75	0.35	---	2,000	4,000	12,000
CSS0428P	340	100	13	22.5	16.5	16	12	4	2	3.45	0.35	---	1,500	3,000	9,000
CSS0518P	340	100	13	21.5	16.5	16	12	4	2	2.75	0.35	---	2,000	4,000	12,000
CSS0528P	340	100	13	22.4	16.5	16	12	4	2	3.60	0.35	---	1,500	3,000	9,000
CSS0628P	340	100	13	21.5	16.5	16	12	4	2	3.25	0.35	---	1,500	3,000	9,000
CSS0638P	330	100	13	22.4	16.4	16	12	4	2	4.50	0.35	---	1,200	2,400	7,200
CSS124P	340	100	13	30.5	25.0	24	16	4	2	5.85	0.35	---	750	750	6,000
CSS125P	340	100	13	29.5	24.5	24	16	4	2	5.55	0.35	---	500	500	4,000
CSS127P	340	100	13	29.5	24.5	24	16	4	2	7.85	0.35	---	500	500	4,000
CSS0625F	340	100	13	21.5	16.5	16	12	4	2	3.95	0.35	---	1,000	2,000	6,000
CSS0628F	340	100	13	21.5	16.5	16	12	4	2	3.95	0.35	---	1,000	2,000	6,000
CSS0728F	340	100	13	21.5	16.5	16	12	4	2	6.00	0.35	---	1,000	2,000	6,000
CSS0730F	340	100	13	21.5	16.5	16	12	4	2	3.80	0.35	---	1,000	2,000	6,000
CSS0732F	340	100	13	21.5	16.5	16	12	4	2	4.00	0.35	---	1,000	2,000	6,000
CSS0745F	340	100	13	21.5	16.5	16	12	4	2	5.30	0.35	---	1,000	2,000	6,000
CSS1045F	340	100	13	30.4	24.5	24	16	4	2	4.30	0.40	---	500	500	4,000
CSS1355F	330	100	13	30.4	24.4	24	16	4	2	6.10	0.40	---	650	650	5,200
CSS1365F	330	100	13	30.4	24.4	24	20	4	2	7.10	0.40	---	500	500	3,600
CSS1375F	330	100	13	30.4	24.4	24	20	4	2	8.10	0.40	---	400	400	3,200
CSN0410H	180	50	13	16.5	12.5	12	8	4	2	1.40	0.35	1,000	---	4,000	24,000
CST0413H	180	50	13	16.5	12.5	12	8	4	2	2.00	0.30	1,000	---	4,000	24,000
CSS0630G	330	100	13	18.5	12.4	12	12	4	2	3.15	0.30	---	1,500	3,000	9,000
CSS1038G	340	100	13	30.4	24.5	24	16	4	2	4.80	0.35	---	1,000	1,000	8,000
CSS1050G	340	100	13	30.4	24.5	24	16	4	2	6.00	0.35	---	500	500	4,000