



# Frontier Electronics Corp.<sup>®</sup>

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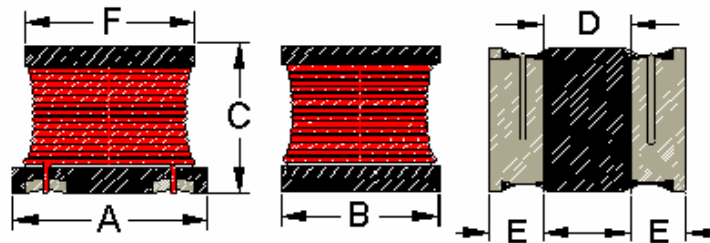
## SMD Square Drum Ferrite-core Inductors—1206SDF series

### A. Electrical specifications:

Part No.	Mark	L (uH) @ 1.0 MHz / 0.1 V rms	Tolerance	SRF Min (MHz)	DCR (Ω)	IDC Max. (mA)
1206SDF-R12	R12	0.12	M	250	0.112	970
1206SDF-R22	R22	0.22	M	250	0.140	850
1206SDF-R39	R39	0.39	M	185	0.259	330
1206SDF-R47	R47	0.47	M	180	0.210	700
1206SDF-R68	R68	0.68	M	150	0.250	600
1206SDF-1R0	1R0	1.0	M	100	0.364	510
1206SDF-2R2	2R2	2.2	M	50	0.533	430
1206SDF-3R3	3R3	3.3	M	40	0.700	600
1206SDF-4R7	4R7	4.7	K, M	31	0.845	340
1206SDF-6R8	6R8	6.8	K, M	28	1.350	500
1206SDF-100	100	10	J, K	20	1.690	230
1206SDF-220	220	22	J, K	14	3.900	160
1206SDF-330	330	33	J, K	12	4.700	130
1206SDF-470	470	47	J, K	10	10.40	100
1206SDF-101	101	100	J, K	7	15.60	80

### B. Mechanical dimensions: (Unit: mm)

SERIES	A	B	C	D	E	F	Type
1206SDF	3.2 ± 0.30	1.6 ± 0.20	1.8 ± 0.25	1.3 ± 0.20	0.9 ± 0.30	2.5 Ref.	2



Type 2

### C. Feature:

1. Operating temperature: -25°C TO +85°C.
2. Electrical specifications at +25°C.
3. Inductance measured on the HP4284A LCR meter.
4. DCR measured on the 502BC milli-ohm meter.
5. Inductance drops no more than 10% at rated I sat.
6. Temperature rises  $\Delta t < 15^\circ\text{C}$  (Typical) at rated I rms.
7. Suitable for IR re-flows soldering.
8. Tape and reel packing.
9. Above part numbers on the table is for "LEADED" parts; for **RoHS** parts, please add "-LFR" at the end of our Part number.

### F. Applications:

\* Power supply line choke. \* DC-DC Converters. \* Notebooks. \* Filters. \* Telecommunications devices.

**★ Special specifications are available for customer's requirement.**