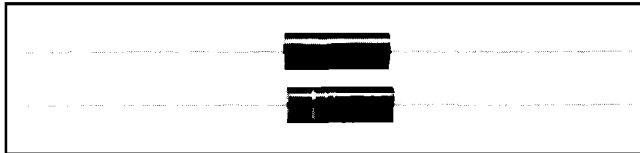




## Inductors

Commercial, Molded



### STANDARD ELECTRICAL SPECIFICATIONS

MODEL*	IND. (μH)	TOL.	Q MIN.	TEST FREQ. (MHz)	SRF MIN. (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
IM-10RFCL-12	1.0	± 10%	130	15	136	.03	4000
IM-10RFCL-12	1.2	± 10%	130	15	124	.03	4000
IM-10RFCL-12	1.5	± 10%	130	10	112	.03	4000
IM-10RFCL-12	1.8	± 10%	130	10	100	.03	4000
IM-10RFCL-12	2.2	± 10%	130	10	92	.04	3500
IM-10RFCL-12	2.7	± 10%	100	10	82	.04	3500
IM-10RFCL-12	3.3	± 10%	100	7.9	72	.04	3500
IM-10RFCL-12	3.9	± 10%	80	7.9	68	.05	3100
IM-10RFCL-12	4.7	± 10%	75	7.9	64	.05	3100
IM-10RFCL-12	5.6	± 10%	65	7.9	58	.06	3000
IM-10RFCL-12	6.8	± 10%	65	7.9	52	.06	3000
IM-10RFCL-12	8.2	± 10%	65	7.9	46	.11	2400
IM-10RFCL-12	10	± 10%	75	5	40	.15	1800
IM-10RFCL-12	12	± 10%	75	5	36	.23	1600
IM-10RFCL-12	15	± 10%	75	5	32	.3	1300
IM-10RFCL-12	18	± 10%	75	5	29	.4	1150
IM-10RFCL-12	22	± 10%	75	2.5	26	.5	1000
IM-10RFCL-12	27	± 5%	70	2.5	24	.6	900
IM-10RFCL-12	33	± 5%	70	2.5	22	.7	850
IM-10RFCL-12	39	± 5%	70	2.5	21	1.1	720
IM-10RFCL-12	47	± 5%	75	2.5	20	1.3	620
IM-10RFCL-12	56	± 5%	80	2.5	18	1.8	540
IM-10RFCL-12	68	± 5%	100	2.5	16	2.4	450
IM-10RFCL-12	82	± 5%	100	2.5	14	2.8	425
IM-10RFCL-12	100	± 5%	100	1.5	13	3.2	400
IM-10RFCL-12	120	± 5%	100	1.5	12	4.8	360
IM-10RFCL-12	150	± 5%	100	1	11	6.4	280
IM-10RFCL-12	180	± 5%	95	1	10	9.5	240
IM-10RFCL-12	220	± 5%	95	1	9	12	200
IM-10RFCL-12	270	± 5%	70	1	7	13	195
IM-10RFCL-12	330	± 5%	65	.79	6	14	190
IM-10RFCL-12	390	± 5%	65	.79	5	15.5	180
IM-10RFCL-12	470	± 5%	60	.79	4	17	170
IM-10RFCL-12	560	± 5%	75	.50	3	18.5	165
IM-10RFCL-12	680	± 5%	75	.50	2.5	20	155
IM-10RFCL-12	820	± 5%	75	.50	2.0	22	150
IM-10RFCL-12	1000	± 5%	75	.50	1.9	24	145
IM-10RFCL-12	1200	± 5%	75	.50	1.7	27	137
IM-10RFCL-12	1500	± 5%	75	.40	1.5	29	130
IM-10RFCL-12	1800	± 5%	65	.40	1.4	32	125
IM-10RFCL-12	2200	± 5%	65	.25	1.2	35	120
IM-10RFCL-12	2700	± 5%	65	.25	1.0	40	112
IM-10RFCL-12	3300	± 5%	65	.25	.95	45	105
IM-10RFCL-12	3900	± 5%	65	.25	.80	49	100
IM-10RFCL-12	4700	± 5%	65	.25	.75	53	95
IM-10RFCL-12	5600	± 5%	65	.25	.70	60	90
IM-10RFCL-12	6800	± 5%	65	.25	.60	67	85
IM-10RFCL-12	8200	± 5%	65	.25	.50	75	82
IM-10RFCL-12	10000	± 5%	65	.15	.45	80	80

IRON CORE

### FEATURES

- Inductance range is 1μH to 10,000μH.
- Proven reliability molded inductors.

### ELECTRICAL SPECIFICATIONS

**Inductance Tolerance:** ± 10% on Q-Meter for 1μH to 22μH. ± 5% 1000 cps bridge for 27μH to 10,000μH.

**NOTE:** L and Q are not always tested at the same frequency. Inductance values tested on Q-Meter are tested at standard test frequencies.

**Dielectric Strength:** 700V RMS at sea level.

**Operating Temperature:** - 55°C to + 125°C.

**Self-Resonant Frequency:** Minimum SRF measured with full length leads on Grid-Dip Meter.

**Q:** Measured on Q-Meter.

**Rating:** 1/2 watt dissipation for L Models.

### MECHANICAL SPECIFICATIONS

**Terminal Strength:** Meets 5 pound pull test when tested per MIL-C-15305 (latest revision).

### DENSITY SPECIFICATIONS

**Weight:** 4.1 grams maximum.

### ENVIRONMENTAL SPECIFICATIONS

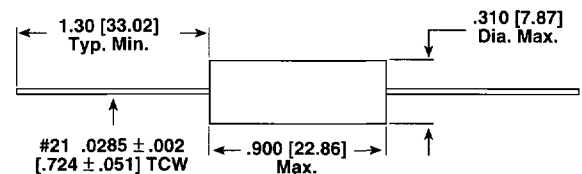
**Moisture Resistance:** Meets requirements of MIL-C-15305.

**Shock Resistance:** Meets requirements of MIL-C-15305.

**Vibration:** High frequency, 10 Hz to 2000 Hz @ 20 G ± 10% maximum for 12 logarithmic swings, each of 20 minute duration repeated for each of three mutually perpendicular planes.

### DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]



### PART MARKING

— Color coded

### HOW TO ORDER

IM-10RFCL-12	1.0μH	± 10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE

\*Model electricals and tolerances shown.