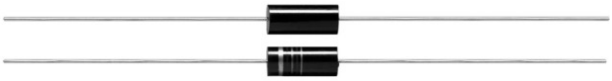
Inductors
Commercial, Molded



FEATURES
- Inductance range is 1 µH to 2200 µH
- Proven reliability molded inductors

Pb-free
RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS
Inductance Tolerance: ± 10 % on Q-Meter for 1 µH to 22 µH. ± 5 % 1000 cps bridge for 27 µH to 2200 µH.
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: 700 VRMS 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: 1/3 watt dissipation for M Models

MECHANICAL SPECIFICATIONS
Terminal Strength: Meets 5 pound pull test when tested per MIL-PRF-15305

DENSITY SPECIFICATIONS
Weight: 2 grams maximum

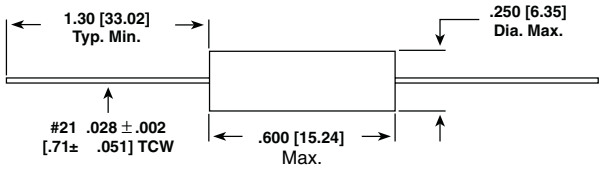
ENVIRONMENTAL SPECIFICATIONS
Moisture: Meets requirements of MIL-PRF-15305.
Shock Resistance: Meets requirements of MIL-PRF-15305.
Vibration: High frequency, 10 Hz to 2000 Hz at 20 G ± 10 % maximum for 12 logarithmic swings, each of 20 minute duration repeated for each of three mutually perpendicular planes.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL*	IND. (µH)	TOL.	Q MIN.	TEST FREQ. (MHz)	SRF MIN. (MHz)	DCR MAX. (Ohms)	RATED* DC CURRENT (mA)	
IM-10RFCM-13	1.0	± 10 %	100	15	136	0.04	2700	IRON CORE
IM-10RFCM-13	1.2	± 10 %	100	15	124	0.04	2700	
IM-10RFCM-13	1.5	± 10 %	100	10	112	0.04	2700	
IM-10RFCM-13	1.8	± 10 %	95	10	100	0.05	2500	
IM-10RFCM-13	2.2	± 10 %	95	10	88	0.05	2500	
IM-10RFCM-13	2.7	± 10 %	68	7.9	76	0.05	2500	
IM-10RFCM-13	3.3	± 10 %	60	7.9	72	0.05	2500	
IM-10RFCM-13	3.9	± 10 %	60	7.9	70	0.07	2100	
IM-10RFCM-13	4.7	± 10 %	60	7.9	60	0.09	1800	
IM-10RFCM-13	5.6	± 10 %	65	7.9	56	0.14	1550	
IM-10RFCM-13	6.8	± 10 %	70	7.9	52	0.17	1300	
IM-10RFCM-13	8.2	± 10 %	65	7.9	46	0.25	1150	
IM-10RFCM-13	10	± 10 %	65	5	40	0.32	1000	
IM-10RFCM-13	12	± 10 %	65	5	36	0.47	870	
IM-10RFCM-13	15	± 10 %	75	4	32	0.62	730	
IM-10RFCM-13	18	± 10 %	65	4	30	0.72	660	
IM-10RFCM-13	22	± 10 %	65	2.5	28	0.80	600	
IM-10RFCM-13	27	± 5 %	65	2.5	25	1.2	520	
IM-10RFCM-13	33	± 5 %	80	2.5	22	1.5	450	
IM-10RFCM-13	39	± 5 %	80	2.5	20	2.3	380	
IM-10RFCM-13	47	± 5 %	100	2.5	19	3.0	300	
IM-10RFCM-13	56	± 5 %	100	2.5	18	4.2	270	
IM-10RFCM-13	68	± 5 %	100	2.5	16	5.2	250	
IM-10RFCM-13	82	± 5 %	100	2.5	14	6.2	220	
IM-10RFCM-13	100	± 5 %	100	1.5	13	7.0	200	
IM-10RFCM-13	120	± 5 %	95	1.5	11	7.5	200	
IM-10RFCM-13	150	± 5 %	90	1	9	8	190	
IM-10RFCM-13	180	± 5 %	85	1	7	9	185	
IM-10RFCM-13	220	± 5 %	85	1	5.5	10	180	
IM-10RFCM-13	270	± 5 %	80	1	4.5	11	172	
IM-10RFCM-13	330	± 5 %	80	0.80	3.5	12	165	
IM-10RFCM-13	390	± 5 %	75	0.80	3.0	13	157	
IM-10RFCM-13	470	± 5 %	75	0.80	2.8	14	150	
IM-10RFCM-13	560	± 5 %	65	0.80	2.5	16	145	
IM-10RFCM-13	680	± 5 %	65	0.80	2.2	17	140	
IM-10RFCM-13	820	± 5 %	65	0.80	2.0	19	132	
IM-10RFCM-13	1000	± 5 %	70	0.50	1.8	21	125	
IM-10RFCM-13	1200	± 5 %	60	0.25	2.2	22	120	
IM-10RFCM-13	2200	± 5 %	70	0.25	1.6	30	100	

*Model electricals and tolerances shown.

DIMENSIONS in inches [millimeters]



MARKING
— Color coded

ORDERING INFORMATION

IM-10RFCM-13	1.0 µH	10 %	EZ	e2
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	M	1	0	R	F	C	M	E	Z	1	R	0	K	1	3
MODEL								PACKAGE CODE		INDUCTANCE VALUE			INDUCTANCE TOLERANCE	SERIES	

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