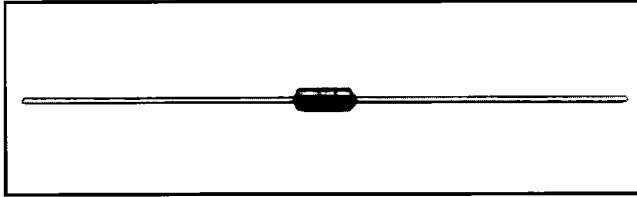




Inductors

Subminiature, Shielded



FEATURES

- Classification is Grade 2, Class B.
- Inductance range is .10μH to 1000μH.
- High inductance-to-size ratio.
- .133" [3.38mm] diameter by .335" [8.51mm] length.
- Subminiature shielded inductor.
- Solves special problems in density circuit application.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (μH)	TOL.	TEST FREQ. (MHz)	SRF (MHz)	DCR (Ohms)	RATED DC CURRENT (mA)	INCR.* CURRENT (mA)	
IMS-2WWD-40	.10 ± 10%	42	25	> 400	.112	1720	> 1720	PHENOLIC
IMS-2WWD-40	.12 ± 10%	42	25	> 400	.126	1630	> 1630	
IMS-2WWD-40	.15 ± 10%	42	25	> 400	.138	1550	> 1550	
IMS-2WWD-40	.18 ± 10%	42	25	366	.165	1420	> 1420	
IMS-2WWD-40	.22 ± 10%	42	25	331	.198	1330	> 1330	
IMS-2WWD-40	.27 ± 10%	42	25	298	.220	1230	> 1230	
IMS-2WWD-40	.33 ± 10%	42	25	288	.258	1140	> 1140	
IMS-2WWD-40	.39 ± 10%	42	25	271	.292	1060	> 1060	
IMS-2WWD-40	.47 ± 10%	41	25	247	.360	960	> 960	
IMS-2WWD-40	.56 ± 10%	39	25	236	.397	915	> 915	
IMS-2WWD-40	.68 ± 10%	36	25	216	.472	840	> 840	
IMS-2WWD-40	.82 ± 10%	35	25	200	.638	720	> 720	
IMS-2WWD-40	1.0 ± 10%	42	25	136	.208	1260	> 1260	IRON
IMS-2WWD-40	1.2 ± 10%	38	7.9	120	.225	1210	> 1210	
IMS-2WWD-40	1.5 ± 10%	38	7.9	111	.265	1120	> 1120	
IMS-2WWD-40	1.8 ± 10%	38	7.9	103	.285	1080	> 1080	
IMS-2WWD-40	2.2 ± 10%	36	7.9	94	.330	1000	> 1000	
IMS-2WWD-40	2.7 ± 10%	38	7.9	85	.381	935	> 935	
IMS-2WWD-40	3.3 ± 10%	38	7.9	78	.432	875	> 875	
IMS-2WWD-40	3.9 ± 10%	40	7.9	73	.576	755	> 755	
IMS-2WWD-40	4.7 ± 10%	42	7.9	66	.787	650	> 650	
IMS-2WWD-40	5.6 ± 10%	42	7.9	62	1.04	565	> 565	
IMS-2WWD-40	6.8 ± 10%	45	7.9	54	1.40	485	> 485	
IMS-2WWD-40	8.2 ± 10%	47	7.9	50	1.68	440	> 440	
IMS-2WWD-40	10 ± 10%	51	7.9	44	2.58	355	> 355	
IMS-2WWD-40	12 ± 10%	51	2.5	39	3.65	300	> 300	
IMS-2WWD-40	15 ± 10%	45	2.5	44	.862	620	200	FERRITE
IMS-2WWD-40	18 ± 10%	43	2.5	40	1.02	570	175	
IMS-2WWD-40	22 ± 10%	42	2.5	36	1.12	545	160	
IMS-2WWD-40	27 ± 10%	37	2.5	33	1.28	510	155	
IMS-2WWD-40	33 ± 10%	46	2.5	30	1.70	440	150	
IMS-2WWD-40	39 ± 10%	38	2.5	26	1.99	405	145	
IMS-2WWD-40	47 ± 10%	42	2.5	23	2.41	370	140	
IMS-2WWD-40	56 ± 10%	41	2.5	22	2.85	340	130	
IMS-2WWD-40	68 ± 10%	46	2.5	18	3.21	320	120	
IMS-2WWD-40	82 ± 10%	46	2.5	17	3.57	305	115	
IMS-2WWD-40	100 ± 10%	43	2.5	15	4.10	280	100	
IMS-2WWD-40	120 ± 10%	50	.79	13	5.97	235	80	
IMS-2WWD-40	150 ± 10%	49	.79	12	7.05	215	68	
IMS-2WWD-40	180 ± 10%	56	.79	11	8.12	200	64	
IMS-2WWD-40	220 ± 10%	53	.79	10	14.8	150	60	
IMS-2WWD-40	270 ± 10%	57	.79	9	16.8	140	58	
IMS-2WWD-40	330 ± 10%	57	.79	8.5	18.6	130	56	
IMS-2WWD-40	390 ± 10%	57	.79	8	21.1	120	54	
IMS-2WWD-40	470 ± 10%	50	.79	7	32.2	100	52	
IMS-2WWD-40	560 ± 10%	50	.79	6	36.4	95	50	
IMS-2WWD-40	680 ± 10%	56	.79	5.5	41.1	90	48	
IMS-2WWD-40	820 ± 10%	49	.79	5	45.0	85	47	
IMS-2WWD-40	1000 ± 10%	49	.79	4.5	52.0	80	45	

*Incremental Current: The DC current required to cause a 5% reduction in the nominal inductance value.

ELECTRICAL SPECIFICATIONS

- Inductance Tolerance:** ± 10% Q-Meter.
- Dielectric Strength:** 700 V 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.
- Rating:** Maximum current based on 1/3 watt dissipation.

MECHANICAL SPECIFICATIONS

Terminal Strength: Meets 5 pound pull test.

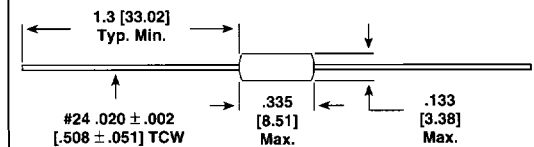
DENSITY SPECIFICATIONS

Weight: .50 gram maximum.

Shielding: Less than 3% coupling with two units mounted side by side at 1000 cycles.

DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]



PART MARKING

— Color coded

HOW TO ORDER

IMS-2WWD-40	.10μH	± 10%
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE