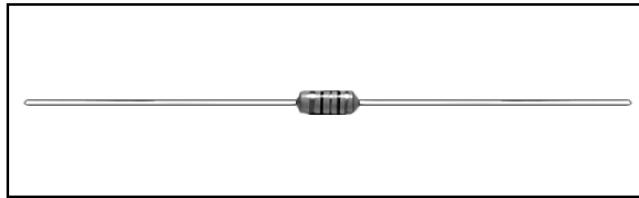




## Inductors

### 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 Q	FREQ. (MHz)	SRF MIN. (MHz)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)	INCR.* CURRENT (mA)
IMS-2WWD-40	.10	± 10%	42	25	> 400	.112	1720	> 1720
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
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
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

PHENOLIC

IRON

FERRITE

#### 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.

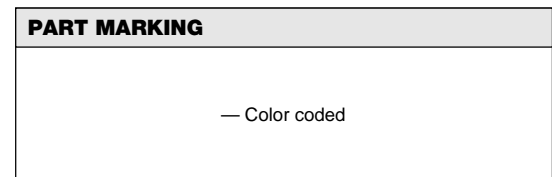
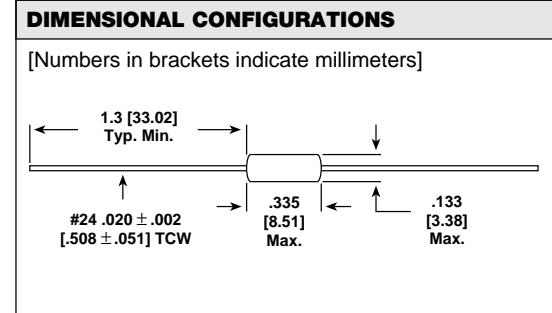
#### MECHANICAL SPECIFICATIONS

**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.



#### HOW TO ORDER

<b>IMS-2WWD-40</b>	<b>.10μH</b>	<b>± 10%</b>
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE

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