IM02EB471K Datasheet

https://www.DiGi-Electronics.com

DiGi Electronics Part Number	IM02EB471K-DG
Manufacturer	Vishay Dale
Manufacturer Product Number	IM02EB471K
Description	FIXED IND 470UH 36MA 42 OHM TH
Detailed Description	470 µH Unshielded Molded Inductor 36 mA 42Ohm Max Axial

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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
IM02EB471K	Vishay Dale
Series:	Product Status:
IM	Obsolete
Type:	Material - Core:
Molded	Ferrite
Inductance:	Tolerance:
470 µH	±10%
Current Rating (Amps):	Current - Saturation (Isat):
36 mA	-
Shielding:	DC Resistance (DCR):
Unshielded	42Ohm Max
Q @ Freq:	Frequency - Self Resonant:
30 @ 790kHz	6MHz
Ratings:	Operating Temperature:
-	-55°C ~ 105°C
Inductance Frequency - Test:	Mounting Type:
790 kHz	Through Hole
Package / Case:	Supplier Device Package:
Axial	-
Size / Dimension:	Height - Seated (Max):
0.095" Dia x 0.250" L (2.41mm x 6.35mm)	-

Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	Not Applicable
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8504.50.8000	

VISHAY

IM

Vishay Dale

Inductors, Commercial, Molded, Axial Leaded

ELECTRICAL SPECIFICATIONS

Inductance Tolerance: ± 1 %, ± 3 %, ± 5 %, ± 10 %, ± 20 %, oter tolerances available on request

Insulation Resistance: 1000 MΩ minimum per MIL-STD-202, method 302, test condition B

Dielectric Strength: Per MIL-STD-202, method 301:
1000 V_{AC} for IM-2, IM-4, IM-6, IM-8, IM-9 and IM-10
200 V_{AC} for IM-1

TEST EQUIPMENT (1)

- H/P 4342A Q-meter
- Measurements corporation megacycle meter, model 59
- Wheatstone bridge

Note

(1) Test procedure per MIL-PRF-15305

MATERIAL SPECIFICATIONS

Encapsulant: Epoxy

Standard Terminals: IM-1 and IM-2: 24 AWG; IM-4, IM-6 and IM-9: 22 AWG; IM-8: 21 AWG; IM-10: 20 AWG, tinned copper

ENVIRONMENTAL PERFORMANCE		
TEST	**CONDITIONS**	**SPECIFICATIONS**
Barometric Pressure	C	MIL-STD-202, meth. 105
Thermal Shock	A-1	MIL-STD-202, meth. 107
Flammability	-	MIL-STD-202, meth. 111
Overload	-	MIL-PRF-15305
Low Temperature Storage	-	MIL-PRF-15305
Resistance to Soldering Heat	A	MIL-STD-202, meth. 210
Resistance to Solvents	-	MIL-STD-202, meth. 215

FEATURES

- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, study construction
- Epoxy molded construction provides superior moisture protection
- Compliant to RoHS directive 2002/95/EC

Pb-free

RoHS COMPLIANT

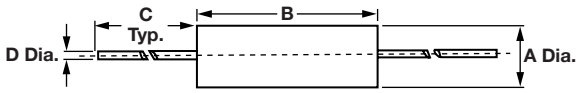
MECHANICAL SPECIFICATIONS

Terminal Strength: Per MIL-STD-202, method 211, test condition A: For IM-1, 3 lb pull; for IM-2, IM-4, IM-6, IM-8, IM-9 and IM-10, 5 lb pull and twist

Weight: IM-1 = 0.25 g max., IM-2 = 0.30 g max., IM-4 = 0.65 g max., IM-6 = 0.95 g max., IM-8 = 1.5 g max., IM-9 = 2.0 g max., IM-10 = 2.5 g max.

INDUCTANCE RANGE AND MILITARY STANDARD		
MODEL	**INDUCTANCE RANGE (µH)**	
	MIN.	**MAX.**
IM-1	0.10	100
IM-2	0.022 0.10 1.2 33	0.082 1 27 1000
IM-4	0.15 5.6 36 270	4.7 33 240 1800
IM-6	0.10 3.3 33 270	2.7 27 220 1000
IM-8	1100	3600
IM-9	68	150
IM-10	3900	10 000

DIMENSIONS in inches [millimeters]



MODEL		A (DIA.)	B	C (TYP.)	D (DIA.)
IM-1	Max.	0.086 [2.18]	0.210 [5.33]	1.62 [41.15]	0.0215 [0.546]
	Min.	0.070 [1.78]	0.190 [4.83]	1.38 [35.05]	0.0185 [0.470]
IM-2	Max.	0.105 [2.67]	0.260 [6.60]	1.63 [41.40]	0.0215 [0.546]
	Min.	0.085 [2.16]	0.240 [6.10]	1.25 [31.75]	0.0185 [0.470]
IM-4	Max.	0.165 [4.19]	0.385 [9.78]	1.63 [41.40]	0.027 [0.686]
	Min.	0.145 [3.68]	0.365 [9.27]	1.25 [31.75]	0.023 [0.584]
IM-6	Max.	0.200 [5.08]	0.450 [11.43]	1.63 [41.40]	0.027 [0.686]
	Min.	0.180 [4.57]	0.430 [10.92]	1.25 [31.75]	0.023 [0.584]
IM-8	Max.	0.225 [5.72]	0.570 [14.48]	1.63 [41.40]	0.030 [0.762]
	Min.	0.205 [5.21]	0.550 [13.97]	1.25 [31.75]	0.026 [0.660]
IM-9	Max.	0.260 [6.60]	0.570 [14.48]	1.63 [41.40]	0.027 [0.686]
	Min.	0.240 [6.10]	0.550 [13.97]	1.25 [31.75]	0.023 [0.584]
IM-10	Max.	0.250 [6.35]	0.750 [19.05]	1.63 [41.40]	0.034 [0.864]
	Min.	0.230 [5.84]	0.730 [18.54]	1.25 [31.75]	0.030 [0.762]

IM

Vishay Dale

Inductors, Commercial, Molded, Axial Leaded

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL. (%)	Q MIN.	TEST FREQUENCY Q (MHz)	SRF MIN. (MHz) (1)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (2)	
IM-1	0.10	± 10	35	25.0	680.0	0.13	895	PHENOLIC CORE
IM-1	0.12	± 10	35	25.0	650.0	0.15	835	
IM-1	0.15	± 10	35	25.0	560.0	0.18	760	
IM-1	0.18	± 10	35	25.0	540.0	0.21	705	
IM-1	0.22	± 10	30	25.0	500.0	0.25	645	
IM-1	0.27	± 10	30	25.0	440.0	0.38	525	
IM-1	0.33	± 10	25	25.0	410.0	0.49	460	
IM-1	0.39	± 10	25	25.0	380.0	0.59	420	
IM-1	0.47	± 10	25	25.0	340.0	0.62	410	
IM-1	0.56	± 10	40	25.0	250.0	0.18	510	IRON CORE
IM-1	0.68	± 10	40	25.0	215.0	0.20	485	
IM-1	0.82	± 10	40	25.0	200.0	0.22	465	
IM-1	1.0	± 10	40	25.0	190.0	0.25	435	
IM-1	1.2	± 10	35	7.9	170.0	0.28	410	
IM-1	1.5	± 10	40	7.9	150.0	0.49	310	
IM-1	1.8	± 10	40	7.9	135.0	0.56	290	
IM-1	2.2	± 10	45	7.9	130.0	0.72	257	
IM-1	2.7	± 10	45	7.9	110.0	0.85	236	
IM-1	3.3	± 10	45	7.9	100.0	1.2	198	
IM-1	3.9	± 10	50	7.9	95.0	1.5	178	
IM-1	4.7	± 10	55	7.9	88.0	2.1	150	
IM-1	5.6	± 10	55	7.9	78.0	2.8	130	
IM-1	6.8	± 10	55	7.9	69.0	3.2	122	
IM-1	8.2	± 10	45	7.9	52.0	4.4	104	
IM-1	10.0	± 10	45	7.9	47.0	5.2	95	
IM-1	12.0	± 10	40	2.5	31.0	3.0	126	
IM-1	15.0	± 10	40	2.5	26.0	3.4	118	
IM-1	18.0	± 10	40	2.5	23.0	3.8	112	
IM-1	22.0	± 10	45	2.5	20.0	4.3	105	
IM-1	27.0	± 10	45	2.5	17.0	4.7	100	
IM-1	33.0	± 10	45	2.5	15.0	5.2	95	
IM-1	39.0	± 10	45	2.5	13.5	6.8	83.5	
IM-1	47.0	± 10	45	2.5	12.5	8.2	76	
IM-1	56.0	± 10	45	2.5	11.5	10.0	69	
IM-1	68.0	± 10	45	2.5	10.5	11.5	64	
IM-1	82.0	± 10	45	2.5	10.0	16.0	54.5	
IM-1	100.0	± 10	45	2.5	9.5	17.5	52	
IM-2	0.022	± 10	50	50.0	900.0	0.025	2400	PHENOLIC CORE
IM-2	0.027	± 20	40	25.0	875.0	0.03	2200	
IM-2	0.033	± 10	40	25.0	850.0	0.035	2000	
IM-2	0.039	± 10	40	25.0	825.0	0.04	1900	
IM-2	0.047	± 10	40	25.0	800.0	0.045	1800	
IM-2	0.056	± 10	40	25.0	775.0	0.05	1700	
IM-2	0.068	± 10	40	25.0	750.0	0.06	1500	
IM-2	0.082	± 10	40	25.0	725.0	0.07	1400	
IM-2	0.10	± 10	40	25.0	680.0	0.08	1350	
IM-2	0.12	± 10	40	25.0	640.0	0.09	1270	
IM-2	0.15	± 10	38	25.0	600.0	0.10	1200	
IM-2	0.18	± 10	35	25.0	550.0	0.12	1105	
IM-2	0.22	± 10	33	25.0	510.0	0.14	1025	
IM-2	0.27	± 10	33	25.0	430.0	0.16	960	
IM-2	0.33	± 10	30	25.0	410.0	0.22	815	
IM-2	0.39	± 10	30	25.0	365.0	0.30	700	
IM-2	0.47	± 10	30	25.0	330.0	0.35	650	
IM-2	0.56	± 10	30	25.0	300.0	0.50	545	
IM-2	0.68	± 10	28	25.0	275.0	0.60	495	
IM-2	0.82	± 10	28	25.0	250.0	0.85	415	
IM-2	1.0	± 10	25	25.0	230.0	1.0	385	

Notes

(1) Measured with full length lead

(2) Rated DC current based on maximum temperature rise as shown in table

For technical questions, contact: magnetics@vishay.com

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STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL. (%)	Q MIN.	TEST FREQUENCY Q (MHz)	SRF MIN. (MHz) (1)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (2)	
IM-2	1.2	± 10	25	7.9	150.0	0.18	590	IRON CORE
IM-2	1.5	± 10	28	7.9	140.0	0.22	535	
IM-2	1.8	± 10	30	7.9	125.0	0.30	455	
IM-2	2.2	± 10	30	7.9	115.0	0.40	395	
IM-2	2.7	± 10	37	7.9	100.0	0.55	355	
IM-2	3.3	± 10	45	7.9	90.0	0.85	270	
IM-2	3.9	± 10	45	7.9	80.0	1.0	250	
IM-2	4.7	± 10	45	7.9	75.0	1.2	230	
IM-2	5.6	± 10	50	7.9	65.0	1.8	185	
IM-2	6.8	± 10	50	7.9	60.0	2.0	175	
IM-2	8.2	± 10	55	7.9	55.0	2.7	155	
IM-2	10.0	± 10	55	7.9	50.0	3.7	130	
IM-2	12.0	± 10	45	2.5	40.0	2.7	155	
IM-2	15.0	± 10	40	2.5	35.0	2.8	150	
IM-2	18.0	± 10	50	2.5	30.0	3.1	145	
IM-2	22.0	± 10	50	2.5	25.0	3.3	140	
IM-2	27.0	± 10	50	2.5	20.0	3.5	135	
IM-2	33.0	± 10	45	2.5	24.0	3.4	130	FERRITE CORE
IM-2	39.0	± 10	45	2.5	22.0	3.6	125	
IM-2	47.0	± 10	45	2.5	20.0	4.5	110	
IM-2	56.0	± 10	45	2.5	18.0	5.7	100	
IM-2	68.0	± 10	50	2.5	15.0	6.7	92	
IM-2	82.0	± 10	50	2.5	14.0	7.3	88	
IM-2	100.0	± 10	50	2.5	13.0	8	84	
IM-2	120.0	± 10	30	0.79	12.0	13	66	
IM-2	150.0	± 10	30	0.79	11.0	15	61	
IM-2	180.0	± 10	30	0.79	10.0	17	57	
IM-2	220.0	± 10	30	0.79	9.0	21	52	
IM-2	270.0	± 10	30	0.79	8.0	25	47	
IM-2	330.0	± 10	30	0.79	7.0	28	45	
IM-2	390.0	± 10	30	0.79	6.5	35	40	
IM-2	470.0	± 10	30	0.79	6.0	42	36	
IM-2	560.0	± 10	30	0.79	5.0	46	35	
IM-2	680.0	± 10	30	0.79	4.0	60	30	
IM-2	820.0	± 10	30	0.79	3.8	65	29	
IM-2	1000.0	± 10	30	0.79	3.4	72	28	
IM-4	0.15	± 20	50	25	525.0	0.03	2450	PHENOLIC CORE
IM-4	0.22	± 20	50	25	450.0	0.055	1810	
IM-4	0.33	± 20	45	25	360.0	0.09	1400	
IM-4	0.47	± 20	45	25	310.0	0.12	1225	
IM-4	0.56	± 10	50	25	280.0	0.135	1150	
IM-4	0.68	± 10	50	25	250.0	0.15	1100	
IM-4	0.82	± 10	50	25	220.0	0.22	900	
IM-4	1.0	± 10	50	25	200.0	0.29	785	
IM-4	1.2	± 10	33	7.9	180.0	0.42	650	
IM-4	1.5	± 10	33	7.9	160.0	0.50	600	
IM-4	1.8	± 10	33	7.9	150.0	0.65	525	
IM-4	2.2	± 10	33	7.9	135.0	0.95	435	
IM-4	2.7	± 10	33	7.9	120.0	1.20	385	
IM-4	3.3	± 10	33	7.9	110.0	2.0	300	
IM-4	3.9	± 10	33	7.9	100.0	2.30	280	
IM-4	4.7	± 10	33	7.9	90.0	2.60	260	
IM-4	5.6	± 10	45	7.9	60.0	0.32	495	IRON CORE
IM-4	6.8	± 10	50	7.9	55.0	0.50	395	
IM-4	8.2	± 10	50	7.9	50.0	0.60	360	
IM-4	10.0	± 10	55	7.9	45.0	0.90	290	
IM-4	12.0	± 10	65	2.5	42.0	1.10	265	
IM-4	15.0	± 10	65	2.5	40.0	1.40	240	

Notes

(1) Measured with full length lead

(2) Rated DC current based on maximum temperature rise as shown in table

IM

Vishay Dale

Inductors, Commercial, Molded, Axial Leaded

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL. (%)	Q MIN.	TEST FREQUENCY Q (MHz)	SRF MIN. (MHz) (1)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (2)	
IM-4	18.0	± 10	75	2.5	34.0	2.25	185	IRON CORE
IM-4	22.0	± 10	75	2.5	30.0	2.50	175	
IM-4	27.0	± 10	60	2.5	25.0	2.60	170	
IM-4	33.0	± 10	65	2.5	19.0	3.0	165	
IM-4	36.0	± 5	60	2.5	15.5	2.50	180	
IM-4	39.0	± 5	60	2.5	14.5	2.60	176	
IM-4	43.0	± 5	60	2.5	13.7	2.70	172	
IM-4	47.0	± 5	55	2.5	13.0	2.75	170	
IM-4	51.0	± 5	55	2.5	12.7	2.85	167	
IM-4	56.0	± 5	55	2.5	12.0	3.00	164	
IM-4	62.0	± 5	55	2.5	11.5	3.15	160	
IM-4	68.0	± 5	55	2.5	11.0	3.30	156	
IM-4	75.0	± 5	55	2.5	10.5	3.70	147	
IM-4	82.0	± 5	50	2.5	10.3	3.90	143	
IM-4	91.0	± 5	50	2.5	10.0	4.30	136	
IM-4	100.0	± 5	50	2.5	9.5	4.50	133	
IM-4	110.0	± 5	60	0.79	8.9	4.90	128	
IM-4	120.0	± 5	65	0.79	8.7	5.20	124	
IM-4	130.0	± 5	65	0.79	8.5	5.45	121	
IM-4	150.0	± 5	65	0.79	8.0	6.05	114	
IM-4	160.0	± 5	65	0.79	7.5	6.40	111	
IM-4	180.0	± 5	65	0.79	7.0	6.75	108	
IM-4	200.0	± 5	65	0.79	6.5	7.10	106	
IM-4	220.0	± 5	65	0.79	6.2	7.45	103	
IM-4	240.0	± 5	65	0.79	5.9	7.80	101	
IM-4	270.0	± 5	65	0.79	5.7	11.0	129	
IM-4	300.0	± 5	65	0.79	5.4	11.5	125	
IM-4	330.0	± 5	65	0.79	5.1	12.0	123	
IM-4	360.0	± 5	65	0.79	4.8	15.5	108	
IM-4	390.0	± 5	65	0.79	4.5	16.3	105	
IM-4	430.0	± 5	65	0.79	4.2	17.1	102	
IM-4	470.0	± 5	65	0.79	3.9	17.9	100	
IM-4	510.0	± 5	65	0.79	3.7	18.8	98	
IM-4	560.0	± 5	65	0.79	3.5	24.7	85	
IM-4	620.0	± 5	65	0.79	3.3	25.9	83	
IM-4	680.0	± 5	55	0.79	3.1	27.2	81	
IM-4	750.0	± 5	55	0.79	2.9	28.6	79	
IM-4	820.0	± 5	55	0.79	2.7	30.0	77	
IM-4	910.0	± 5	55	0.79	2.5	31.5	76	
IM-4	1000.0	± 5	55	0.79	2.3	33.1	74	
IM-4	1100.0	± 5	30	0.25	2.1	43.5	64	
IM-4	1200.0	± 5	30	0.25	2.0	45.7	63	
IM-4	1300.0	± 5	30	0.25	1.9	49.0	61	
IM-4	1500.0	± 5	30	0.25	1.8	52.5	59	
IM-4	1600.0	± 5	30	0.25	1.7	54.0	58	
IM-4	1800.0	± 5	30	0.25	1.6	56.7	56	
IM-6	0.10	± 20	55	25.0	510.0	0.020	3600	PHENOLIC CORE
IM-6	0.12	± 20	55	25.0	510.0	0.025	3300	
IM-6	0.15	± 20	55	25.0	510.0	0.030	3000	
IM-6	0.18	± 20	55	25.0	450.0	0.030	2900	
IM-6	0.22	± 20	50	25.0	415.0	0.035	2800	
IM-6	0.27	± 20	50	25.0	380.0	0.050	2400	
IM-6	0.33	± 20	50	25.0	350.0	0.065	2000	
IM-6	0.39	± 20	50	25.0	320.0	0.080	1800	
IM-6	0.47	± 20	50	25.0	300.0	0.085	1700	
IM-6	0.56	± 10	50	25.0	270.0	0.125	1450	

Notes

(1) Measured with full length lead

(2) Rated DC current based on maximum temperature rise as shown in table

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL. (%)	Q MIN.	TEST FREQUENCY Q (MHz)	SRF MIN. (MHz) (1)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (2)	
IM-6	0.68	± 10	45	25.0	250.0	0.150	1300	PHENOLIC CORE
IM-6	0.82	± 10	40	25.0	210.0	0.205	1100	
IM-6	1.0	± 10	40	25.0	200.0	0.290	930	
IM-6	1.2	± 10	30	7.9	180.0	0.400	785	
IM-6	1.5	± 10	30	7.9	170.0	0.485	700	
IM-6	1.8	± 10	30	7.9	150.0	0.740	580	
IM-6	2.2	± 10	30	7.9	140.0	0.970	505	
IM-6	2.7	± 10	30	7.9	120.0	1.20	460	
IM-6	3.3	± 10	30	7.9	70.0	0.140	990	IRON CORE
IM-6	3.9	± 10	30	7.9	65.0	0.155	870	
IM-6	4.7	± 10	30	7.9	60.0	0.210	745	
IM-6	5.6	± 10	30	7.9	50.0	0.280	645	
IM-6	6.8	± 10	30	7.9	50.0	0.375	560	
IM-6	8.2	± 10	30	7.9	48.0	0.440	540	
IM-6	10.0	± 10	30	7.9	42.0	0.605	440	
IM-6	12.0	± 10	50	2.5	36.0	1.05	370	
IM-6	15.0	± 10	55	2.5	30.0	1.20	310	
IM-6	18.0	± 10	60	2.5	30.0	1.95	255	
IM-6	22.0	± 10	60	2.5	24.0	2.20	240	
IM-6	27.0	± 10	65	2.5	22.0	2.75	205	
IM-6	33.0	± 10	75	2.5	20.0	3.5	185	
IM-6	39.0	± 10	75	2.5	18.0	3.8	176	
IM-6	47.0	± 10	75	2.5	16.0	4.0	170	
IM-6	56.0	± 10	75	2.5	15.0	4.4	164	
IM-6	68.0	± 10	75	2.5	12.0	4.7	156	
IM-6	82.0	± 10	75	2.5	10.0	5.3	143	
IM-6	100.0	± 10	65	2.5	8.0	6.0	133	
IM-6	120.0	± 10	65	0.79	6.0	5.0	124	
IM-6	150.0	± 10	65	0.79	5.4	5.8	118	
IM-6	180.0	± 10	65	0.79	5.0	6.6	114	
IM-6	220.0	± 10	65	0.79	4.7	7.4	112	
IM-6	270.0	± 5	65	0.79	5.6	8.2	110	
IM-6	300.0	± 5	65	0.79	5.3	8.7	107	
IM-6	330.0	± 5	65	0.79	5.0	9.1	105	
IM-6	360.0	± 5	65	0.79	4.7	9.6	102	
IM-6	390.0	± 5	65	0.79	4.5	10.0	100	
IM-6	430.0	± 5	65	0.79	4.3	10.6	97	
IM-6	470.0	± 5	65	0.79	4.0	11.1	95	
IM-6	510.0	± 5	65	0.79	3.8	11.6	93	
IM-6	560.0	± 5	65	0.79	3.6	12.3	91	
IM-6	620.0	± 5	60	0.79	3.5	13.0	88	
IM-6	680.0	± 5	60	0.79	3.4	13.7	85	
IM-6	750.0	± 5	60	0.79	3.3	14.4	83	
IM-6	820.0	± 5	60	0.79	3.1	15.1	81	
IM-6	910.0	± 5	60	0.79	2.9	15.8	79	
IM-6	1000.0	± 5	60	0.79	2.8	16.5	78	
IM-8	1100.0	± 5	60	0.25	2.8	21.0	78	IRON CORE
IM-8	1200.0	± 5	60	0.25	2.7	22.0	76	
IM-8	1300.0	± 5	60	0.25	2.6	23.0	75	
IM-8	1500.0	± 5	65	0.25	2.4	25.0	72	
IM-8	1600.0	± 5	65	0.25	2.3	26.0	70	
IM-8	1800.0	± 5	65	0.25	2.2	28.0	68	
IM-8	2000.0	± 5	65	0.25	2.1	29.0	67	

Notes

(1) Measured with full length lead

(2) Rated DC current based on maximum temperature rise as shown in table

IM

Vishay Dale

Inductors, Commercial, Molded, Axial Leaded

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL. (%)	Q MIN.	TEST FREQUENCY Q (MHz)	SRF MIN. (MHz) (1)	DCR MAX. (Ω)	RATED DC CURRENT (mA) (2)	
IM-8	2200.0	± 5	70	0.25	2.0	30.0	66	IRON CORE
IM-8	2400.0	± 5	70	0.25	1.9	31.0	64	
IM-8	2700.0	± 5	70	0.25	1.8	33.0	62	
IM-8	3000.0	± 5	70	0.25	1.7	35.0	61	
IM-8	3300.0	± 5	70	0.25	1.6	38.0	58	
IM-8	3600.0	± 5	70	0.25	1.5	40.0	57	
IM-9	68.0	± 10	70	2.5	13.0	3.3	168	IRON CORE
IM-9	82.0	± 10	65	2.5	11.7	3.5	162	
IM-9	100.0	± 10	65	2.5	10.7	3.8	155	
IM-9	120.0	± 10	75	0.79	9.3	4.7	142	
IM-9	150.0	± 10	75	0.79	8.3	5.3	132	
IM-10	3900.0	± 5	80	0.25	1.45	44.0	61	IRON CORE
IM-10	4300.0	± 5	80	0.25	1.40	46.0	59	
IM-10	4700.0	± 5	80	0.25	1.35	48.0	58	
IM-10	5000.0	± 5	80	0.25	1.30	50.0	57	
IM-10	5600.0	± 5	80	0.25	1.25	53.0	56	
IM-10	6200.0	± 5	80	0.25	1.20	56.0	54	
IM-10	6800.0	± 5	80	0.25	1.15	59.0	52	
IM-10	7500.0	± 5	80	0.25	1.10	62.0	51	
IM-10	8200.0	± 5	80	0.25	1.05	65.0	50	
IM-10	9100.0	± 5	80	0.25	1.00	68.0	49	
IM-10	10 000.0	± 5	80	0.25	0.95	72.0	47	

Notes

(1) Measured with full length lead

(2) Rated DC current based on maximum temperature rise as shown in table

ORDERING INFORMATION

IM-2	10 µH	± 10 %	ER	e2
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	M	0	2	E	R	1	0	0	K
MODEL				PACKAGE CODE		INDUCTANCE VALUE			INDUCTANCE TOLERANCE

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Vishay

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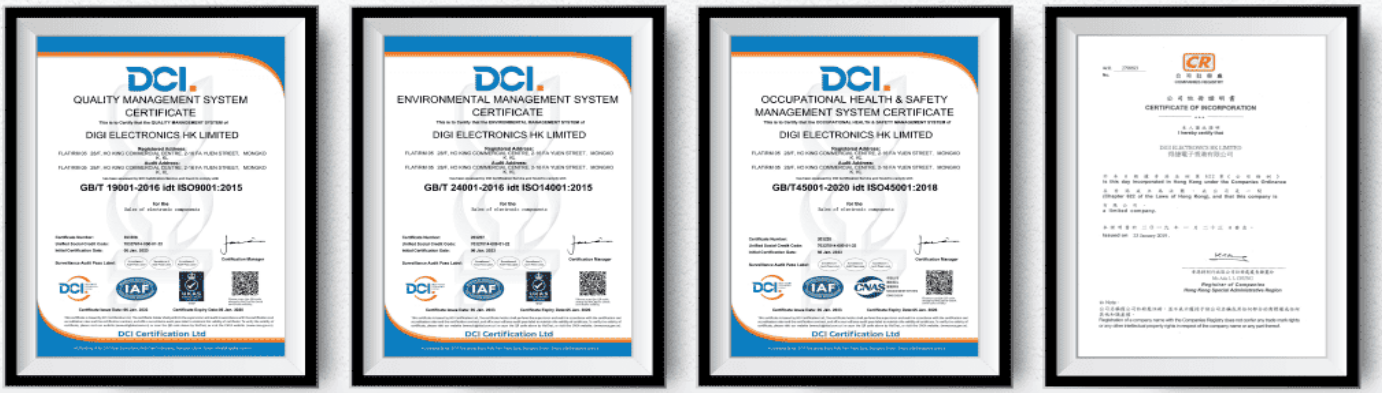

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