

# IM02ER2R2K Datasheet



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DiGi Electronics Part Number	IM02ER2R2K-DG
Manufacturer	<a href="#">Vishay Dale</a>
Manufacturer Product Number	IM02ER2R2K
Description	FIXED IND 2.2UH 395MA 400MOHM TH
Detailed Description	2.2 $\mu$ H Unshielded Molded Inductor 395 mA 400mOhm Max Axial



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## Purchase and inquiry

Manufacturer Product Number:

IM02ER2R2K

Series:

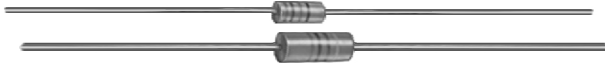
IM

Manufacturer:

Vishay Dale



## Inductors, Commercial, Molded, Axial Leaded



### ELECTRICAL SPECIFICATIONS

**Inductance Tolerance:**  $\pm 1\%$ ,  $\pm 3\%$ ,  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$ , other tolerances available on request

**Insulation Resistance:** 1000 M $\Omega$  minimum per MIL-STD-202, method 302, test condition B

**Dielectric Strength:** Per MIL-STD-202, method 301: 1000 V<sub>AC</sub> for IM-2, IM-4, IM-6, IM-8, IM-9 and IM-10 200 V<sub>AC</sub> 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



RoHS  
COMPLIANT

### MECHANICAL SPECIFICATIONS

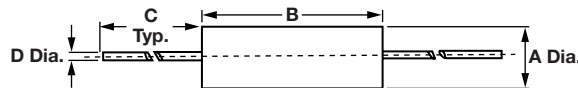
**Terminal Strength:** Per MIL-STD-202, method 211, test condition A: For IM-1, 3 lb pull; for IM-2, IM-4, IM-6, IM-8, IM-9 and IM-10, 5 lb pull and twist

**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 ( $\mu$ H)	
	MIN.	MAX.
IM-1	0.10	100
IM-2	0.022	0.082
	0.10	1
	1.2	27
IM-4	33	1000
	0.15	4.7
	5.6	33
	36	240
IM-6	270	1800
	0.10	2.7
	3.3	27
	33	220
IM-8	270	1000
	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) <sup>(1)</sup>	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(2)</sup>		
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**<sup>(1)</sup> Measured with full length lead<sup>(2)</sup> 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) <sup>(1)</sup>	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(2)</sup>
IM-2	1.2	± 10	25	7.9	150.0	0.18	590
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
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
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
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) <sup>(1)</sup>	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(2)</sup>
IM-4	18.0	± 10	75	2.5	34.0	2.25	185
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
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

IRON CORE

PHENOLIC CORE

**Notes**<sup>(1)</sup> Measured with full length lead<sup>(2)</sup> 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) <sup>(1)</sup>	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(2)</sup>	
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**<sup>(1)</sup> Measured with full length lead<sup>(2)</sup> 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) <sup>(1)</sup>	DCR MAX. (Ω)	RATED DC CURRENT (mA) <sup>(2)</sup>
IM-8	2200.0	± 5	70	0.25	2.0	30.0	66
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
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
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**

<sup>(1)</sup> Measured with full length lead

<sup>(2)</sup> 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
MODEL			
E	R		
PACKAGE CODE			
1	0	0	
INDUCTANCE VALUE			
			K
			INDUCTANCE TOLERANCE





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