

Wirewound, Surface-Mount, Molded Inductors





ELECTRICAL SPECIFICATIONS

Inductance range: 1 μH to 680 μH Inductance tolerance: \pm 10 %

Operating temperature: -40 °C to +125 °C Storage temperature: -40 °C to +125 °C

FEATURES

 Molded construction provides superior strength and moisture resistance



 Tape and reel packaging for automatic handling, 500/reel, EIA-481

RoHS COMPLIANT

 Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

TEST EQUIPMENT

L and Q: HP 4194ASRF: HP 4291ADCR: CH-502AC

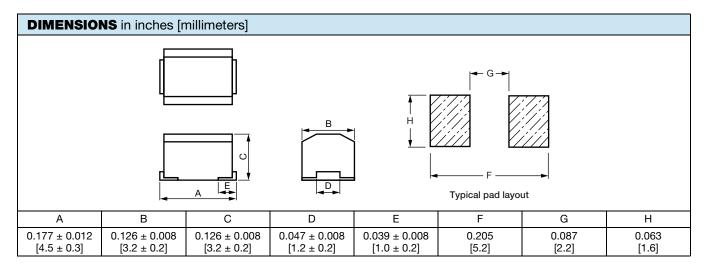
	IND.	TOL.	TEST FREQ. (MHz)		SRF MIN.	DCR MAX.	RATED DC CURRENT
PART NUMBER	(µH)	(%)	L AND Q	Q MIN.	(MHz)	(Ω)	(mA) ⁽¹⁾
IMCH1812ER1R0K	1.0	± 10	7.96	10	180	0.11	1050
IMCH1812ER1R2K	1.2	± 10	7.96	10	160	0.12	1000
IMCH1812ER1R5K	1.5	± 10	7.96	10	130	0.15	950
IMCH1812ER1R8K	1.8	± 10	7.96	10	100	0.16	900
IMCH1812ER2R2K	2.2	± 10	7.96	10	80.0	0.18	850
IMCH1812ER2R7K	2.7	± 10	7.96	10	60.0	0.20	800
IMCH1812ER3R3K	3.3	± 10	7.96	10	45.0	0.22	750
IMCH1812ER3R9K	3.9	± 10	7.90	10	40.0	0.24	700
IMCH1812ER4R7K	4.7	± 10	7.96	10	35.0	0.27	650
IMCH1812ER5R6K	5.6	± 10	7.96	10	30.0	0.3	650
IMCH1812ER6R8K	6.8	± 10	7.96	10	28.0	0.35	600
IMCH1812ER8R2K	8.2	± 10	7.96	10	25.0	0.4	600
IMCH1812ER100K	10	± 10	2.52	10	22.0	0.5	550
IMCH1812ER120K	12	± 10	2.52	10	21.0	0.6	500
IMCH1812ER150K	15	± 10	2.52	10	20.0	0.7	450
IMCH1812ER180K	18	± 10	2.52	10	19.0	0.8	400
IMCH1812ER220K	22	± 10	2.52	10	18.0	0.9	370
IMCH1812ER270K	27	± 10	2.52	10	16.0	1.2	330
IMCH1812ER330K	33	± 10	2.52	10	14.0	1.4	300
IMCH1812ER390K	39	± 10	2.52	10	12.0	1.6	280
IMCH1812ER470K	47	± 10	2.52	10	11.5	1.9	260
IMCH1812ER560K	56	± 10	2.52	10	11.0	2.2	240
IMCH1812ER680K	68	± 10	2.52	10	10.0	2.6	220
IMCH1812ER820K	82	± 10	2.52	10	9.0	3.5	200
IMCH1812ER101K	100	± 10	0.796	20	8.0	4.0	180
IMCH1812ER121K	120	± 10	0.796	20	7.5	4.5	160
IMCH1812ER151K	150	± 10	0.796	20	7.0	6.5	140
IMCH1812ER181K	180	± 10	0.796	20	6.5	7.5	120
IMCH1812ER221K	220	± 10	0.796	20	5.5	9	120
IMCH1812ER271K	270	± 10	0.796	20	5.0	11	100
IMCH1812ER331K	330	± 10	0.796	20	4.0	13	90
IMCH1812ER391K	390	± 10	0.796	20	3.0	14	85
IMCH1812ER471K	470	± 10	0.796	20	3.0	16	75
IMCH1812ER561K	560	± 10	0.796	20	3.0	21	70
IMCH1812ER681K	680	± 10	0.796	20	2.5	24.2	65

Note

 $^{^{(1)}}$ Rated current will cause the inductance drop within 10 %

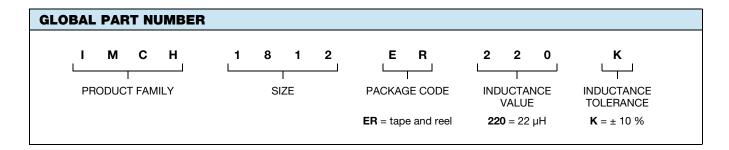


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PART MARKING - Inductance value

DESCRIPTION									
IMCH-1812	22 μΗ	± 10 %	ER	e3					
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD					





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