



## WIRE-WOUND CHIP INDUCTOR – FERRITE / MOLDING TYPE

### 1812MS (4532) Ferrite Series (0.10 ~ 1000μH)

Part Number	Inductance μH	Percent Tolerance	Q Min	SRF Min MHz	R <sub>DC</sub> Max Ohms	I <sub>DC</sub> Max mA
1812MS-R10E_FS	0.10 @ 25.2MHz	20,10	35 @ 25.2MHz	300	0.18	800
1812MS-R12E_FS	0.12 @ 25.2MHz	20,10	35 @ 25.2MHz	280	0.20	770
1812MS-R15E_FS	0.15 @ 25.2MHz	20,10	35 @ 25.2MHz	250	0.22	730
1812MS-R18E_FS	0.18 @ 25.2MHz	20,10	35 @ 25.2MHz	220	0.24	700
1812MS-R22E_FS	0.22 @ 25.2MHz	20,10	40 @ 25.2MHz	200	0.25	665
1812MS-R27E_FS	0.27 @ 25.2MHz	20,10	40 @ 25.2MHz	180	0.26	635
1812MS-R33E_FS	0.33 @ 25.2MHz	20,10	40 @ 25.2MHz	165	0.28	605
1812MS-R39E_FS	0.39 @ 25.2MHz	20,10	40 @ 25.2MHz	150	0.30	575
1812MS-R47E_FS	0.47 @ 25.2MHz	20,10	40 @ 25.2MHz	145	0.32	545
1812MS-R56E_FS	0.56 @ 25.2MHz	20,10	40 @ 25.2MHz	140	0.36	520
1812MS-R68E_FS	0.68 @ 25.2MHz	20,10	40 @ 25.2MHz	135	0.40	500
1812MS-R82E_FS	0.82 @ 25.2MHz	20,10	40 @ 25.2MHz	130	0.45	475
1812MS-1R0E_FS	1.00 @ 7.96MHz	20,10,5	50 @ 7.96MHz	100	0.50	450
1812MS-1R2E_FS	1.20 @ 7.96MHz	20,10,5	50 @ 7.96MHz	80	0.55	430
1812MS-1R5E_FS	1.50 @ 7.96MHz	20,10,5	50 @ 7.96MHz	70	0.60	410
1812MS-1R8E_FS	1.80 @ 7.96MHz	20,10,5	50 @ 7.96MHz	60	0.65	390
1812MS-2R2E_FS	2.20 @ 7.96MHz	20,10,5	50 @ 7.96MHz	55	0.70	380
1812MS-2R7E_FS	2.70 @ 7.96MHz	20,10,5	50 @ 7.96MHz	50	0.75	370
1812MS-3R3E_FS	3.30 @ 7.96MHz	20,10,5	50 @ 7.96MHz	45	0.80	355
1812MS-3R9E_FS	3.90 @ 7.96MHz	20,10,5	50 @ 7.96MHz	40	0.90	330
1812MS-4R7E_FS	4.70 @ 7.96MHz	20,10,5	50 @ 7.96MHz	35	1.00	315
1812MS-5R6E_FS	5.60 @ 7.96MHz	20,10,5	50 @ 7.96MHz	33	1.10	300
1812MS-6R8E_FS	6.80 @ 7.96MHz	20,10,5	50 @ 7.96MHz	27	1.20	285
1812MS-8R2E_FS	8.20 @ 7.96MHz	20,10,5	50 @ 7.96MHz	25	1.40	270
1812MS-100E_FS	10.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	20	1.60	250
1812MS-120E_FS	12.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	18	2.00	225
1812MS-150E_FS	15.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	17	2.50	200
1812MS-180E_FS	18.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	15	2.80	190
1812MS-220E_FS	22.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	13	3.20	180
1812MS-270E_FS	27.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	13	3.60	170
1812MS-330E_FS	33.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	11	4.00	160
1812MS-390E_FS	39.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	10	4.50	150
1812MS-470E_FS	47.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	10	5.00	140
1812MS-560E_FS	56.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	9	5.50	135
1812MS-680E_FS	68.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	9	6.00	130
1812MS-820E_FS	82.0 @ 2.52MHz	20,10,5	50 @ 2.52MHz	8	7.00	120

**DELTA ELECTRONICS, INC.**

(TAOYUAN PLANT CPBG) 31-1, Shien Pan Road, Kuei San Industrial Zone, Taoyuan Shien 333, TAIWAN, R.O.C.

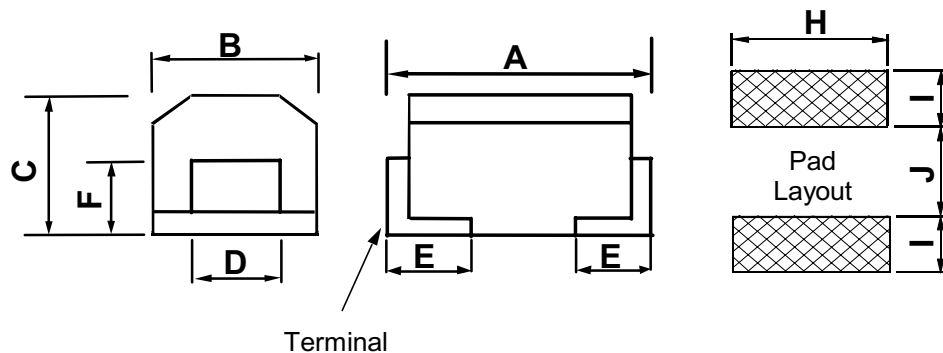
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Part Number	Inductance μH	Percent Tolerance	Q Min	SRF Min MHz	R <sub>DC</sub> Max Ohms	I <sub>DC</sub> Max mA
1812MS- 101E_FS	100 @ 0.796MHz	20,10,5	40 @ 0.796MHz	8.0	8.00	110
1812MS- 121E_FS	120 @ 0.796MHz	20,10,5	40 @ 0.796MHz	6.0	8.00	110
1812MS- 151E_FS	150 @ 0.796MHz	20,10,5	40 @ 0.796MHz	5.0	9.00	105
1812MS- 181E_FS	180 @ 0.796MHz	20,10,5	40 @ 0.796MHz	5.0	9.50	102
1812MS- 221E_FS	220 @ 0.796MHz	20,10,5	40 @ 0.796MHz	4.0	10.0	100
1812MS- 271E_FS	270 @ 0.796MHz	20,10,5	40 @ 0.796MHz	4.0	12.0	92
1812MS- 331E_FS	330 @ 0.796MHz	20,10,5	40 @ 0.796MHz	3.5	14.0	85
1812MS- 391E_FS	390 @ 0.796MHz	20,10,5	40 @ 0.796MHz	3.0	18.0	80
1812MS- 471E_FS	470 @ 0.796MHz	20,10,5	40 @ 0.796MHz	3.0	26.0	62
1812MS- 561E_FS	560 @ 0.796MHz	20,10,5	40 @ 0.796MHz	3.0	30.0	50
1812MS- 681E_FS	680 @ 0.796MHz	20,10,5	30 @ 0.796MHz	3.0	30.0	50
1812MS- 821E_FS	820 @ 0.796MHz	20,10,5	30 @ 0.796MHz	2.5	35.0	30
1812MS- 102E_FS	1000 @ 0.252MHz	20,10,5	20 @ 0.252MHz	2.5	40.0	30

Working Temperature : -20 °C ~ 85 °C

**Shape & Dimension**



	A	B	C	D	E	F	H	I	J
Inch	0.177±0.01	0.126±0.01	0.126±0.01	0.055±0.008	0.039±0.008	0.055±0.01	0.126	0.059	0.118
mm	4.5±0.3	3.2±0.3	3.2±0.3	1.4±0.2	1.0±0.2	1.4±0.2	3.2	1.5	3.00

Parts/Reel: 7" 500  
Tape Width: 12mm

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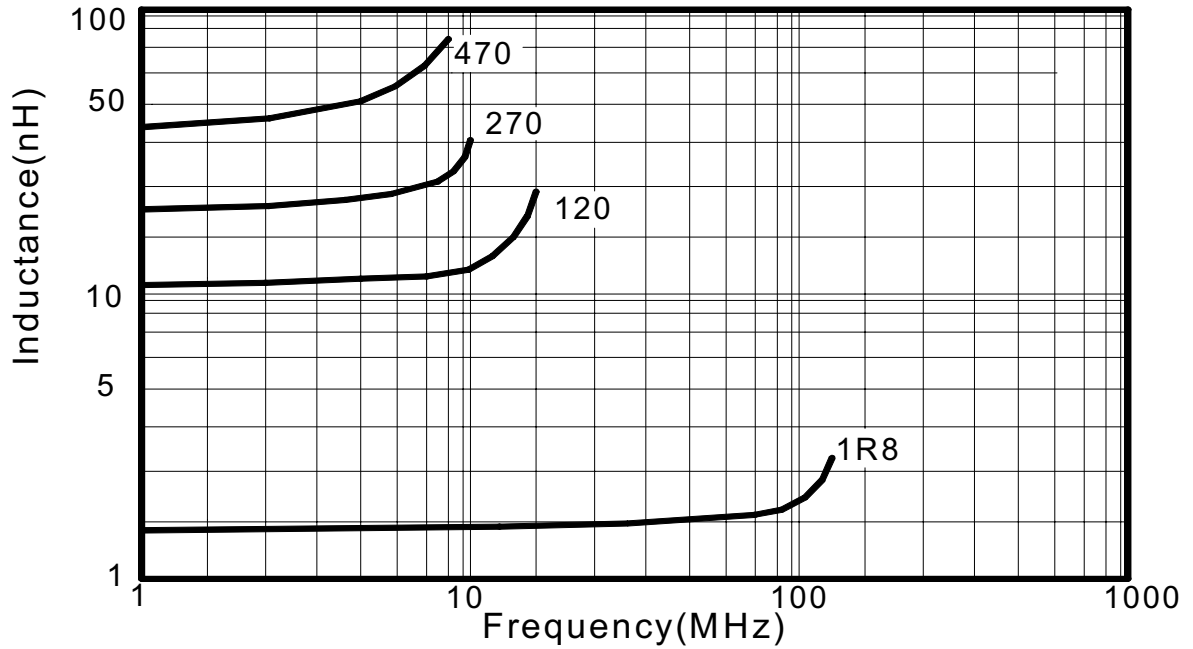
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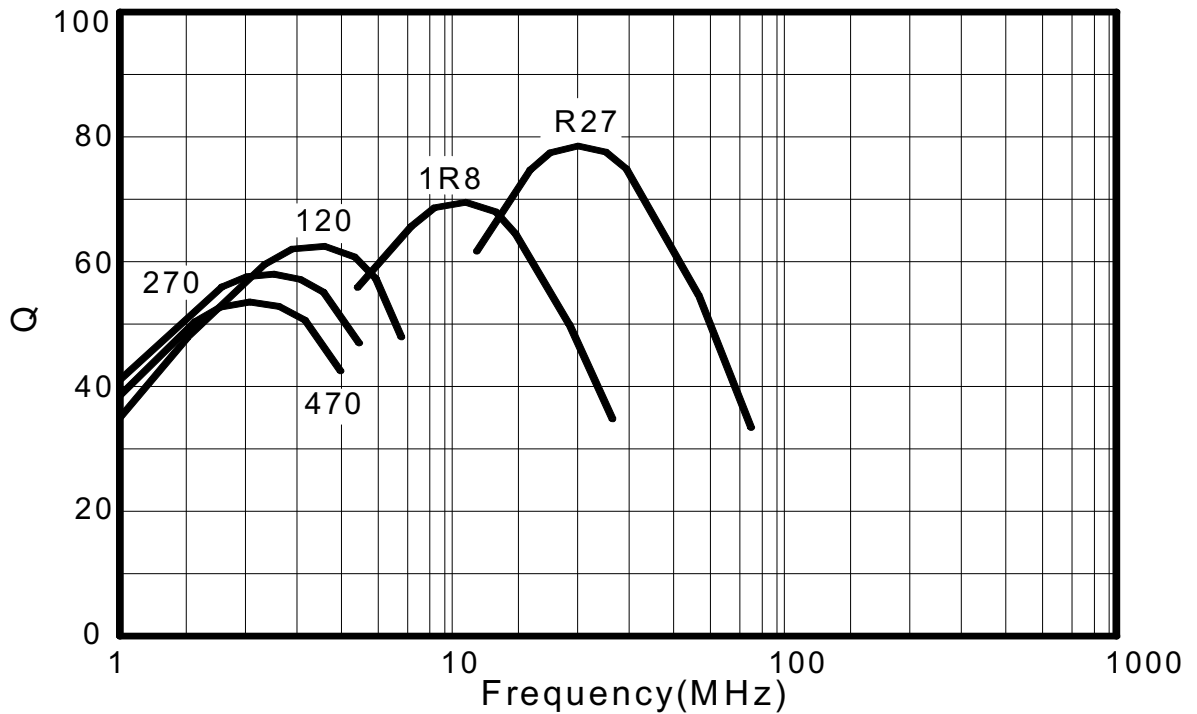
# WIRE-WOUND CHIP INDUCTOR – FERRITE / MOLDING TYPE

## 1812MS (4532) Ferrite Series Typical Electrical Characteristics

### TYPICAL L vs FREQUENCY



### TYPICAL Q vs FREQUENCY



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