



WIRE-WOUND CHIP INDUCTOR – FERRITE / MOLDING TYPE

1210MS (3225) Ferrite Series (0.12 ~ 220μH)

Part Number	Inductance μH	Percent Tolerance	Q Min	SRF Min MHz	R _{DC} Max Ohms	I _{DC} Max mA
1210MS-R12E_FS	0.12 @ 25.2MHz	20,10,5	30 @ 25.2MHz	500	0.22	450
1210MS-R15E_FS	0.15 @ 25.2MHz	20,10,5	30 @ 25.2MHz	450	0.25	450
1210MS-R18E_FS	0.18 @ 25.2MHz	20,10,5	30 @ 25.2MHz	400	0.28	450
1210MS-R22E_FS	0.22 @ 25.2MHz	20,10,5	30 @ 25.2MHz	350	0.32	450
1210MS-R27E_FS	0.27 @ 25.2MHz	20,10,5	30 @ 25.2MHz	320	0.36	450
1210MS-R33E_FS	0.33 @ 25.2MHz	20,10,5	30 @ 25.2MHz	300	0.40	450
1210MS-R39E_FS	0.39 @ 25.2MHz	20,10,5	30 @ 25.2MHz	250	0.45	450
1210MS-R47E_FS	0.47 @ 25.2MHz	20,10,5	30 @ 25.2MHz	220	0.50	450
1210MS-R56E_FS	0.56 @ 25.2MHz	20,10,5	30 @ 25.2MHz	180	0.55	450
1210MS-R68E_FS	0.68 @ 25.2MHz	20,10,5	30 @ 25.2MHz	160	0.60	450
1210MS-R82E_FS	0.82 @ 25.2MHz	20,10,5	30 @ 25.2MHz	140	0.65	450
1210MS-1R0E_FS	1.00 @ 7.96MHz	20,10,5	30 @ 7.96MHz	120	0.70	400
1210MS-1R2E_FS	1.20 @ 7.96MHz	20,10,5	30 @ 7.96MHz	100	0.75	390
1210MS-1R5E_FS	1.50 @ 7.96MHz	20,10,5	30 @ 7.96MHz	85	0.85	370
1210MS-1R8E_FS	1.80 @ 7.96MHz	20,10,5	30 @ 7.96MHz	80	0.90	350
1210MS-2R2E_FS	2.20 @ 7.96MHz	20,10,5	30 @ 7.96MHz	75	1.00	320
1210MS-2R7E_FS	2.70 @ 7.96MHz	20,10,5	30 @ 7.96MHz	70	1.10	290
1210MS-3R3E_FS	3.30 @ 7.96MHz	20,10,5	30 @ 7.96MHz	60	1.20	260
1210MS-3R9E_FS	3.90 @ 7.96MHz	20,10,5	30 @ 7.96MHz	55	1.30	250
1210MS-4R7E_FS	4.70 @ 7.96MHz	20,10,5	30 @ 7.96MHz	50	1.50	220
1210MS-5R6E_FS	5.60 @ 7.96MHz	20,10,5	30 @ 7.96MHz	47	1.60	200
1210MS-6R8E_FS	6.80 @ 7.96MHz	20,10,5	30 @ 7.96MHz	43	1.80	180
1210MS-8R2E_FS	8.20 @ 7.96MHz	20,10,5	30 @ 7.96MHz	40	2.00	170
1210MS-100E_FS	10.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	36	2.10	150
1210MS-120E_FS	12.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	33	2.50	140
1210MS-150E_FS	15.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	30	2.80	130
1210MS-180E_FS	18.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	27	3.30	120
1210MS-220E_FS	22.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	25	3.70	110
1210MS-270E_FS	27.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	20	5.00	80
1210MS-330E_FS	33.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	17	5.60	70
1210MS-390E_FS	39.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	16	6.40	65
1210MS-470E_FS	47.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	15	7.00	60
1210MS-560E_FS	56.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	13	8.00	55
1210MS-680E_FS	68.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	12	9.00	50
1210MS-820E_FS	82.0 @ 2.52MHz	20,10,5	30 @ 2.52MHz	11	10.0	45
1210MS-101E_FS	100.0 @ 0.796MHz	20,10,5	20 @ 0.796MHz	10	10.0	40
1210MS-121E_FS	120.0 @ 0.796MHz	20,10,5	20 @ 0.796MHz	10	11.0	70
1210MS-151E_FS	150.0 @ 0.796MHz	20,10,5	20 @ 0.796MHz	8	15.0	65
1210MS-181E_FS	180.0 @ 0.796MHz	20,10,5	20 @ 0.796MHz	7	17.0	60
1210MS-221E_FS	220.0 @ 0.796MHz	20,10,5	20 @ 0.796MHz	7	21.0	50

Working Temperature : -20 °C ~ 85 °C

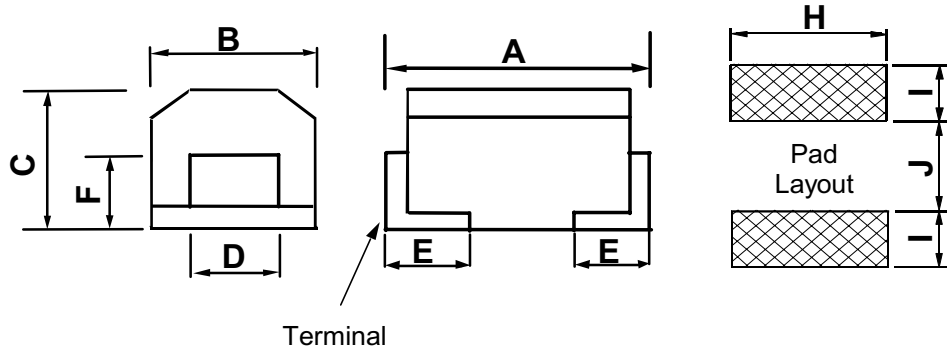
DELTA ELECTRONICS, INC.

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

TEL: 886-3-3626301; FAX: 886-3-3618901. 3618909

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Shape & Dimension



	A	B	C	D	E	F	H	I	J
Inch	0.125±0.01	0.098±0.01	0.087±0.01	0.055±0.008	0.023±0.008	0.055±0.01	0.098	0.04	0.078
mm	3.2±0.3	2.5±0.3	2.2±0.3	1.4±0.2	0.6±0.2	1.4±0.2	2.50	1.02	2.00

Parts/Reel: 7" 1,000
Tape Width:8mm

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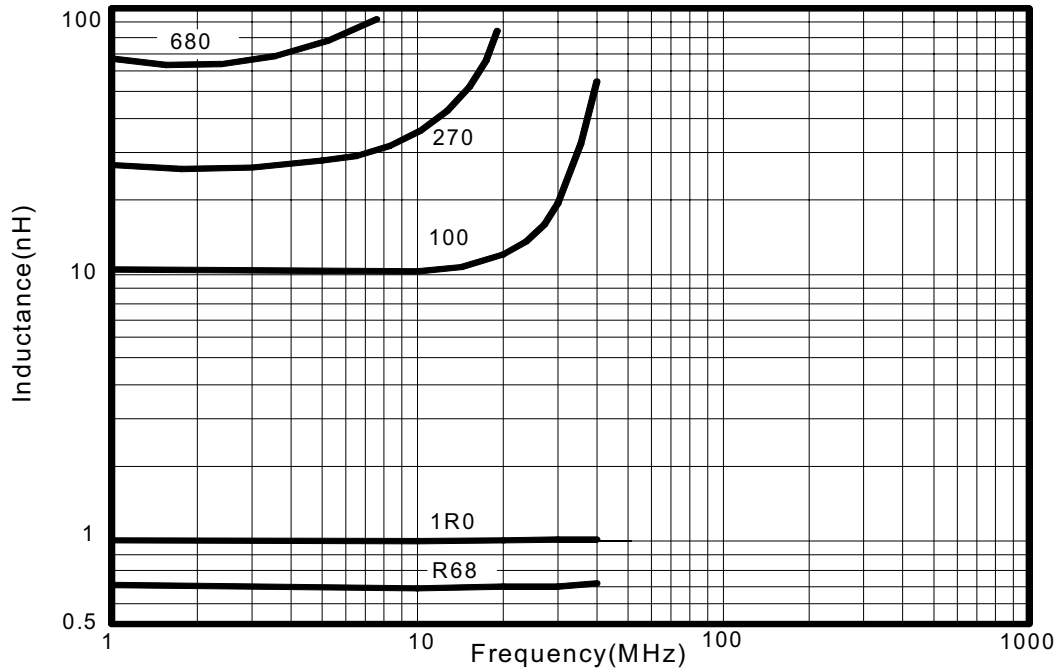
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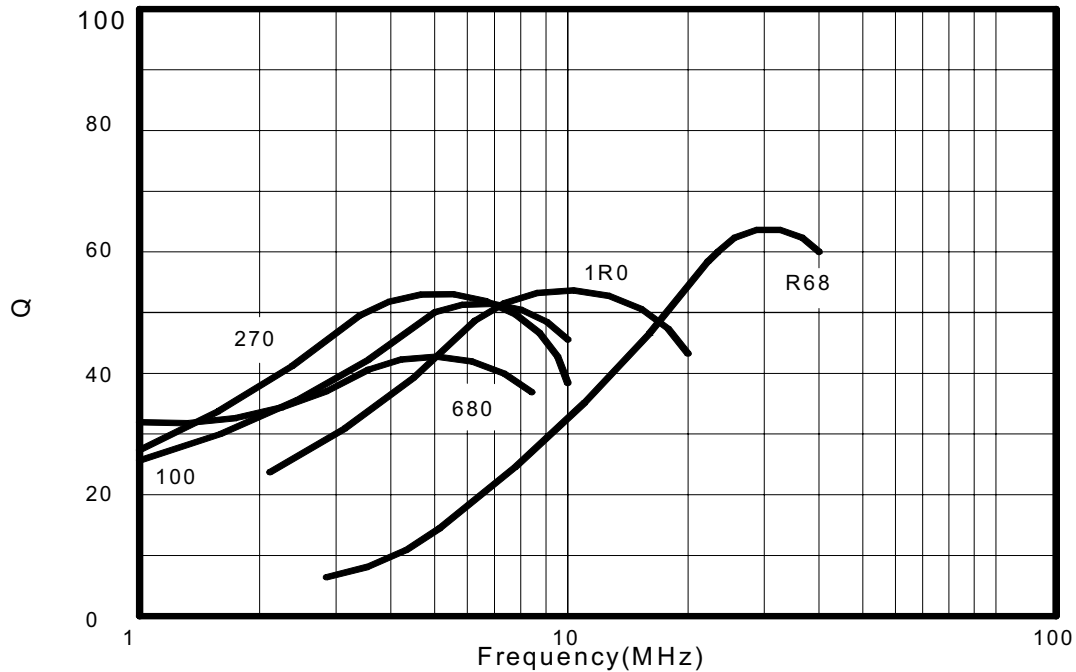
WIRE-WOUND CHIP INDUCTOR – FERRITE / MOLDING TYPE

1210MS (3225) Ferrite Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY



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