



MS3225LS SERIES ~ Wire Wound Ferrite Chip Inductors



RoHS Compliant

PART NUMBERING SYSTEM

MS	3 2 2 5 L S	—	1 R 0 K	—	L F
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

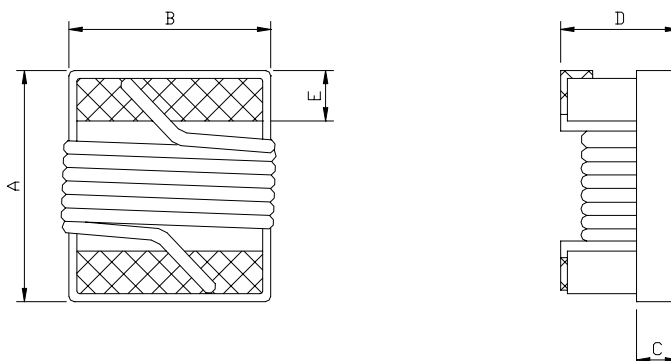
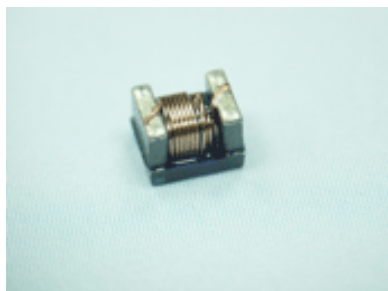
1. Low DC resistance & high current handling capacities , making them ideal for power supply line applications.
2. MS3225LS products conforms to the standards that are slated to be introduced under the RoHS Directive.
3. Applications for personal computers , portable telephones , hard disk drives and other electronic equipment .
4. They are available in ranging from 2012 to 3225 types .

ENVIRONMENTAL DATA :

1. Operating temperature range : - 40°C to + 85°C including self-temperature rise
2. Storage temperature range : - 40°C to + 85°C

SHAPES AND DIMENSIONS

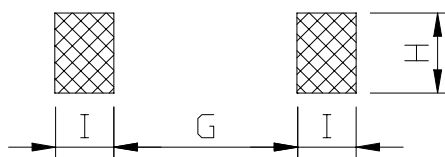
UNIT : mm



A=3.6 Max. B=2.8 Max. C=0.8 Ref. D=2.5 Max. E=0.55±0.1

RECOMMENDED PATTERNS

UNIT : mm



G=1.78 H=2.80 I=1.02



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	TOLERANCE	Q. MIN.	SRF (MHz) MIN.	DCR (Ω) Max.	IDC (mA) (max)
MS3225LS-1R0□-LF	1.0 @25.2MHz	J,K	30@25.2MHz	239	0.54	630
MS3225LS-1R2□-LF	1.2 @25.2MHz	J,K	30@25.2MHz	221	0.54	630
MS3225LS-1R5□-LF	1.5 @25.2MHz	J,K	30@25.2MHz	209	0.54	630
MS3225LS-1R8□-LF	1.8 @25.2MHz	J,K	30@25.2MHz	203	0.62	630
MS3225LS-2R2□-LF	2.2 @25.2MHz	J,K	30@25.2MHz	187	0.71	630
MS3225LS-2R7□-LF	2.7 @25.2MHz	J,K	30@25.2MHz	157	0.74	630
MS3225LS-3R3□-LF	3.3 @25.2MHz	J,K	30@25.2MHz	146	0.83	600
MS3225LS-3R9□-LF	3.9 @25.2MHz	J,K	30@25.2MHz	139	1.74	380
MS3225LS-4R7□-LF	4.7 @25.2MHz	J,K	30@25.2MHz	124	1.90	360
MS3225LS-5R6□-LF	5.6 @25.2MHz	J,K	30@25.2MHz	114	2.05	330
MS3225LS-6R8□-LF	6.8 @7.96MHz	J,K	30@7.96MHz	109	1.37	450
MS3225LS-8R2□-LF	8.2 @7.96MHz	J,K	30@7.96MHz	104	1.50	420
MS3225LS-100□-LF	10 @7.96MHz	J,K	25@7.96MHz	87	1.70	400
MS3225LS-120□-LF	12 @7.96MHz	J,K	25@7.96MHz	76	1.88	360
MS3225LS-150□-LF	15 @7.96MHz	J,K	25@7.96MHz	67	2.22	340
MS3225LS-180□-LF	18 @7.96MHz	J,K	25@7.96MHz	57	2.42	330
MS3225LS-220□-LF	22 @7.96MHz	J,K	25@7.96MHz	48	2.66	300
MS3225LS-270□-LF	27 @7.96MHz	J,K	25@7.96MHz	38	2.99	250
MS3225LS-330□-LF	33 @7.96MHz	J,K	25@7.96MHz	26	3.24	220
MS3225LS-390□-LF	39 @7.96MHz	J,K	25@7.96MHz	24	3.61	195
MS3225LS-470□-LF	47 @7.96MHz	J,K	25@7.96MHz	22	3.96	195
MS3225LS-560□-LF	56 @7.96MHz	J,K	25@7.96MHz	20	4.36	190
MS3225LS-680□-LF	68 @2.52MHz	J,K	25@2.52MHz	18	4.73	180
MS3225LS-820□-LF	82 @2.52MHz	J,K	25@2.52MHz	16	5.95	160
MS3225LS-101□-LF	100 @2.52MHz	J,K	15@2.52MHz	14	6.62	150
MS3225LS-121□-LF	120 @2.52MHz	J,K	15@2.52MHz	12	7.33	140
MS3225LS-151□-LF	150 @2.52MHz	J,K	15@2.52MHz	11	8.29	135
MS3225LS-181□-LF	180 @2.52MHz	J,K	15@2.52MHz	10	11.53	100
MS3225LS-221□-LF	220 @1MHz	J,K	15@2.52MHz	8	12.48	80

- ※ Inductance, Q and SRF are measured in HP-4284A & HP-E4991A impedance analyzer with HP-16197A fixture.
- ※ Inductance Tolerance : J=5%, K=10%.
- ※ RDC is measured in Chroma 16502 mill ohm meter.(or equivalent)
- ※ Irms For 15°C rise form 25°C ambient.

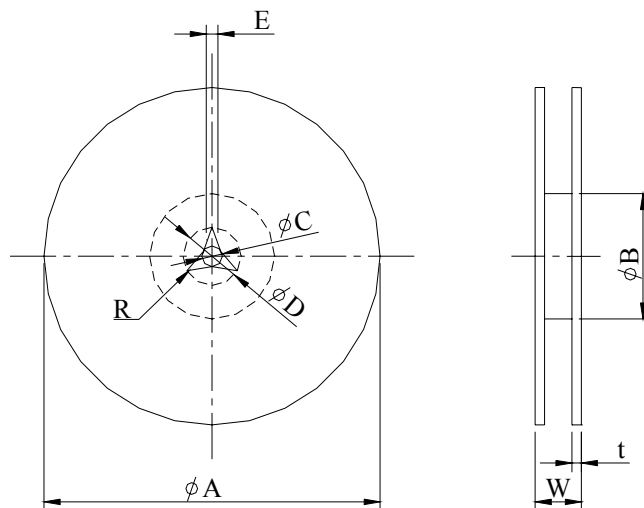


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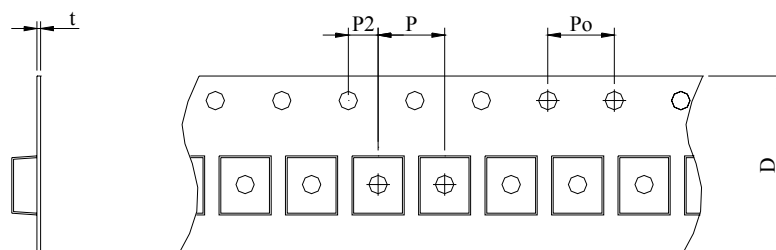


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PACKAGING SPECIFICATION



	A	B	C	D	E	W	t	R
T($\phi 180\text{mm}$) Reel	$\phi 180$	$\phi 60$	$\phi 13$	—	—	14.4	—	—



TYPE	Reel/pcs	P	P ₀	P ₂	t	D
MS3225LS	2000	4	4	2	1	8