



**MSR
Electronics**

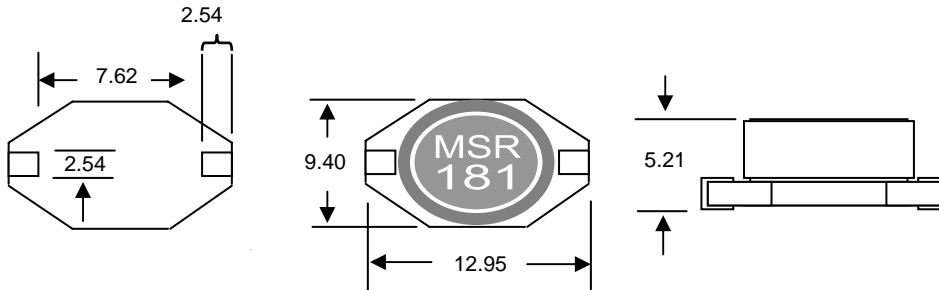


SMD POWER INDUCTORS

SERIES - MOS3316 (Shielded)

RoHS

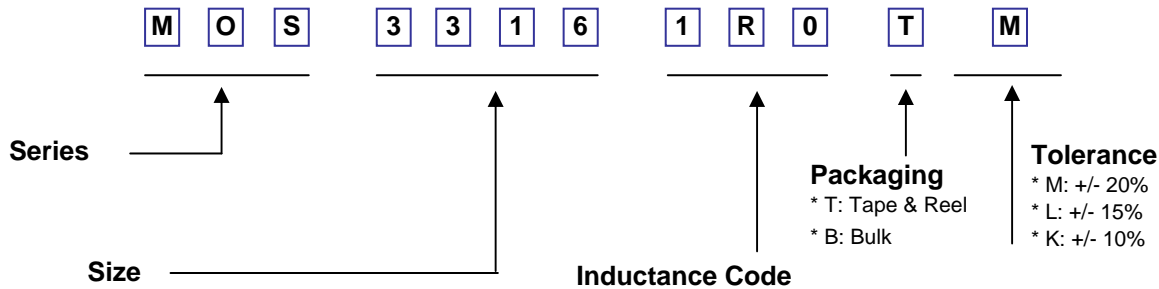
Compliant: Contact
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Test Report



FEATURES:

- Storage Temp: -45 to +85 °C
- Operating Temp: -40 to +85 °C
- Inductance @ Saturation: 10% loss
- Temp: 15 °C rise is typical at I rms
- Dimensions (mm) Max

PART NUMBER SYSTEM



Part Number	Inductance (uH) 100 KHz 0.1 Vrms	DC Resistance (Ohms max)	SRF (MHz) ref only	I rms (Amps)	I sat (Amps)
MOS-3316-1R0TM	1.000	0.021	130	5.00	5.60
MOS-3316-1R5TM	1.500	0.022	110	4.50	5.20
MOS-3316-2R2TM	2.200	0.027	90	3.10	5.00
MOS-3316-3R0TM	3.000	0.030	65	2.90	3.90
MOS-3316-4R7TM	4.700	0.040	50	2.50	3.20
MOS-3316-6R8TM	6.800	0.055	30	2.20	2.80
MOS-3316-100TM	10.00	0.065	28	2.00	2.40
MOS-3316-120TM	12.00	0.080	25	1.80	2.20
MOS-3316-150TM	15.00	0.085	20	1.70	2.00
MOS-3316-180TL	18.00	0.090	19	1.60	1.80
MOS-3316-220TL	22.00	0.100	18	1.40	1.60
MOS-3316-270TL	27.00	0.120	16	1.30	1.50
MOS-3316-330TL	33.00	0.160	14	1.20	1.40

Part Number	Inductance (uH) 100 KHz 0.1 Vrms	DC Resistance (Ohms max)	SRF (MHz) ref only	I rms (Amps)	I sat (Amps)
MOS-3316-390TL	39.00	0.180	12	1.05	1.20
MOS-3316-470TL	47.00	0.190	11	1.00	1.00
MOS-3316-560TL	56.00	0.210	10	0.90	0.95
MOS-3316-680TL	68.00	0.340	9	0.82	0.90
MOS-3316-820TL	82.00	0.380	8	0.75	0.85
MOS-3316-101TK	100.0	0.420	7.5	0.68	0.80
MOS-3316-121TK	120.0	0.460	7	0.60	0.70
MOS-3316-151TK	150.0	0.520	6.3	0.55	0.60
MOS-3316-181TK	180.0	0.700	5.5	0.50	0.65
MOS-3316-221TK	220.0	0.800	5	0.45	0.50
MOS-3316-271TK	270.0	1.100	4.5	0.40	0.45
MOS-3316-331TK	330.0	1.200	4	0.35	0.40
MOS-3316-391TK	390.0	1.400	3.3	0.33	0.35

GENERAL PARAMETERS: Layout, Schematic, Packaging

