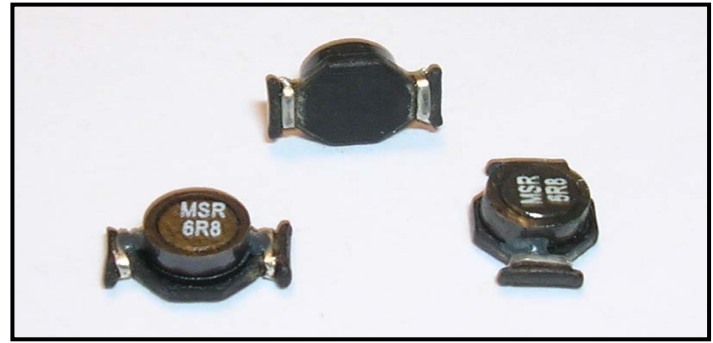




**MSR  
Electronics**

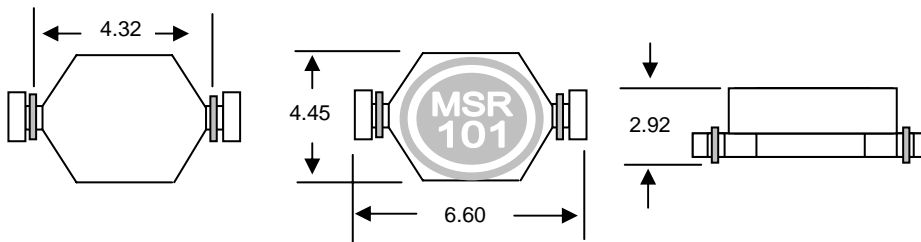


## SMD POWER INDUCTORS

**SERIES - MPDS1608 (Shielded)**

**RoHS**

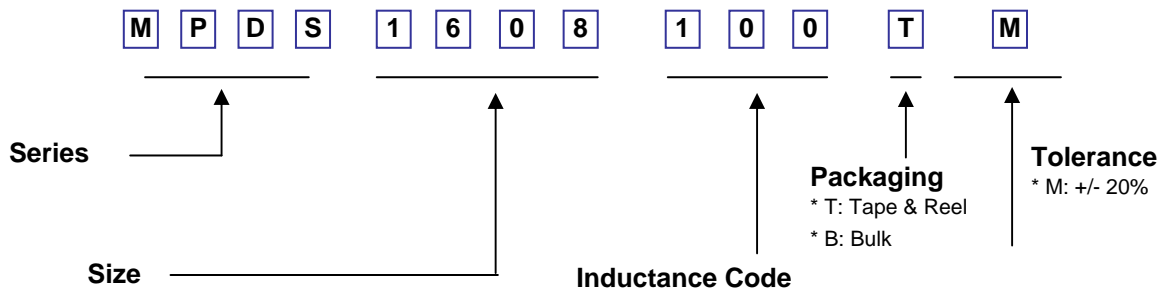
Compliant: Contact  
Factory for Copy of  
Test Report



### 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 rms)
MPDS1608-1R0TM	1.000	0.040	250	3.00
MPDS1608-1R5TM	1.500	0.045	125	2.80
MPDS1608-2R2TM	2.200	0.050	120	1.80
MPDS1608-3R3TM	3.300	0.055	120	1.60
MPDS1608-4R7TM	4.700	0.060	105	1.40
MPDS1608-6R8TM	6.800	0.065	50	1.20
MPDS1608-100TM	10.00	0.075	38	1.00
MPDS1608-150TM	15.00	0.090	33	0.80
MPDS1608-220TM	22.00	0.110	25	0.70
MPDS1608-330TM	33.00	0.190	20	0.60
MPDS1608-470TM	47.00	0.230	20	0.50
MPDS1608-680TM	68.00	0.290	15	0.40
MPDS1608-101TM	100.0	0.480	10	0.30

Part Number	Inductance (uH) 100 KHz 0.1 Vrms	DC Resistance (Ohms max)	SRF (MHz) ref only	I rms (Amps rms)
MPDS1608-151TM	150.0	0.590	9	0.26
MPDS1608-221TM	220.0	0.770	6	0.22
MPDS1608-331TM	330.0	1.400	5	0.20
MPDS1608-471TM	470.0	1.800	4	0.19
MPDS1608-681TM	680.0	2.200	3	0.18
MPDS1608-102TM	1000.0	3.400	2	0.15
MPDS1608-152TM	1500.0	4.200	2	0.12
MPDS1608-222TM	2200.0	8.500	2	0.10
MPDS1608-332TM	3300.0	11.00	1	0.08
MPDS1608-472TM	4700.0	13.90	1	0.06
MPDS1608-682TM	6800.0	25.00	1	0.04
MPDS1608-103TM	10000.0	32.80	0.8	0.02

## GENERAL PARAMETERS: Layout, Schematic, Packaging

