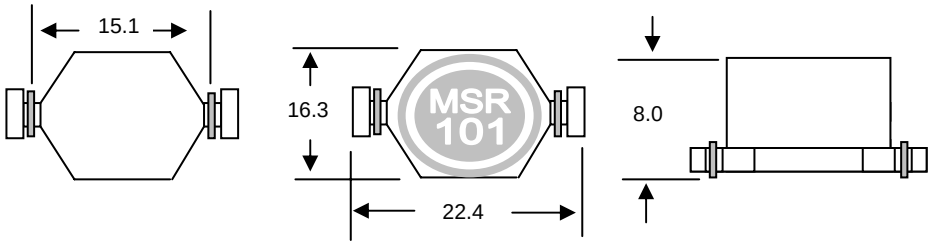
MSR Electronics

SMD POWER INDUCTORS

SERIES - MPDS5022 (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: 40 *C rise is typical at I rms**
- **High Current, Low DCR**
- **Dimensions (mm) Max**

PART NUMBER SYSTEM

M P D S 5 0 2 2 1 0 0 T M

Series

Size

Inductance Code

Packaging
* T: Tape & Reel
* B: Bulk

Tolerance
* M: +/- 20%

Part Number	Inductance (uH) 100 KHz 0.1 Vrms	DC Resistance (Ohms max)	I rms (Amps)	I sat (Amps)
MPDS5022-1R0TM	1.000	0.004	14.0	25.0
MPDS5022-2R2TM	2.200	0.006	13.0	20.0
MPDS5022-3R3TM	3.300	0.009	10.0	17.0
MPDS5022-3R9TM	3.900	0.011	9.00	15.0
MPDS5022-4R7TM	4.700	0.015	8.40	13.0
MPDS5022-6R0TM	6.000	0.018	7.50	12.0
MPDS5022-7R8TM	7.800	0.021	7.50	11.0
MPDS5022-100TM	10.00	0.026	6.00	10.0
MPDS5022-150TM	15.00	0.030	4.40	8.00
MPDS5022-220TM	22.00	0.065	4.20	7.80
MPDS5022-330TM	33.00	0.075	4.00	7.60
MPDS5022-390TM	39.00	0.086	3.90	7.40

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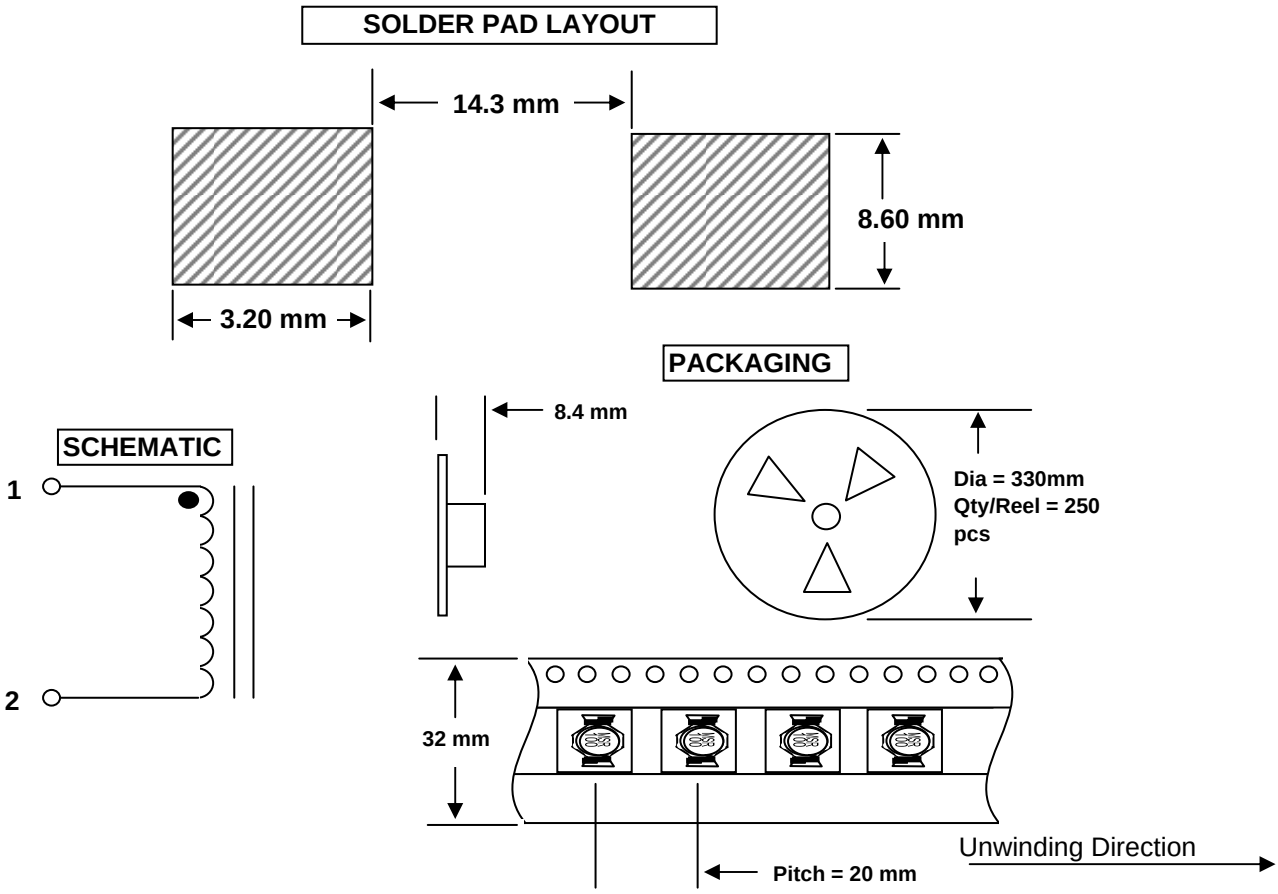
GENERAL PARAMETERS: Layout, Schematic, Packaging