

## SM503 SERIES SURFACE MOUNT COMMON MODE CHOKE

### Features

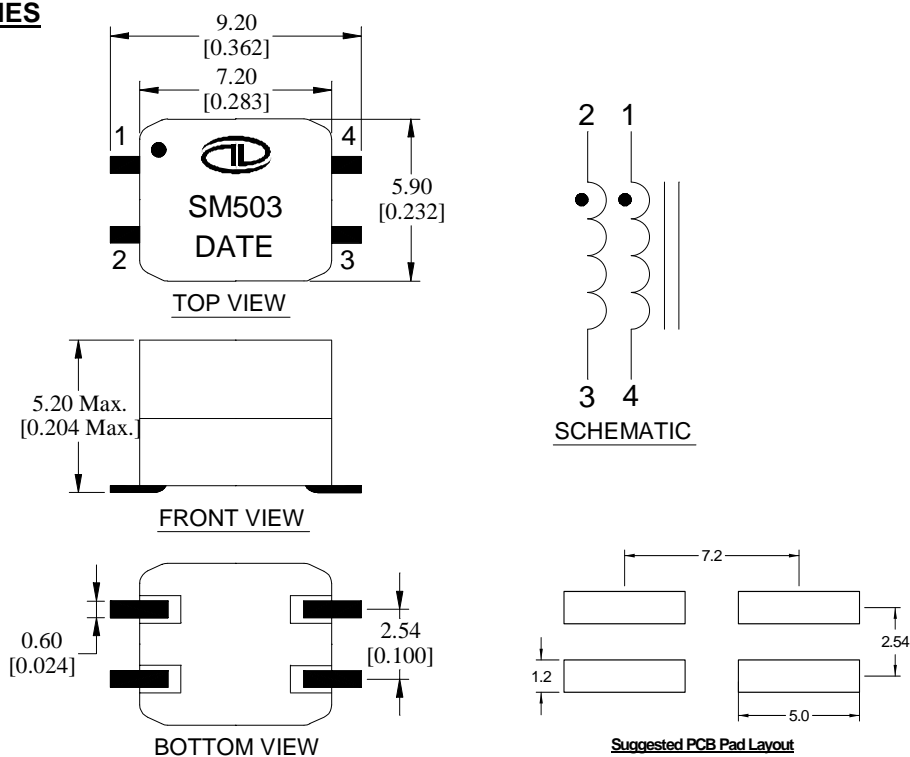
- Inductance Range from 5  $\mu\text{H}$  to 4700 $\mu\text{H}$
- Operating Temp. -40°C to +85°C
- Operating Voltage: 110V 50Hz/60Hz
- Isolation Voltage: 500V Min. 50Hz/60Hz
- Differential Inductance: 0.2 $\mu\text{H}$  Max. @ 100KHz 0.1V
- Tinned Leads with Leaded Solder is Available (Note 3)
- Custom Inductance Values Available
- Formerly the DR322 Series



### ELECTRICAL SPECIFICATIONS AT 25°C

PART No.	Turns Ratio (2-3) & (1-4) ( $\pm 1\%$ )	Inductance ( $\mu\text{H}$ ) @100kHz, 0.1V, $\pm 20\%$	DCR ( $\Omega$ ) Max. (2-3) & (1-4)	RATED CURRENT (A) Max.
SM503-502	1:1	5	0.11	0.5
SM503-113	1:1	11	0.12	0.5
SM503-253	1:1	25	0.20	0.5
SM503-513	1:1	51	0.30	0.5
SM503-474	1:1	470	0.25	0.5
SM503-105	1:1	1000	0.40	0.5
SM503-475	1:1	4700	0.55	0.2

### MECHANICAL OUTLINES



### NOTES:

1. All dimensions are shown in millimeters "mm"[Inches "IN"].
2. General tolerance  $\pm 0.25\text{mm}$ [0.010 IN.], unless otherwise specified.
3. For non-RoHS parts replace SM prefix with 42- (e.g. SM503-502 becomes 42-503-502)
4. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020D