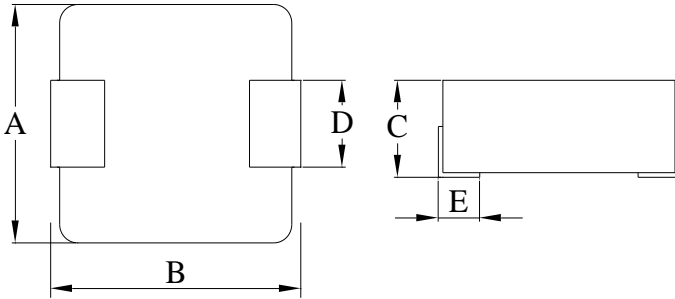


**PRODUCT: Power Inductor**

**SERIES: TSPI-0603**

**PACKAGING DIMENSION: [Unit: mm]**



A	6.8 MAX
B	7.1±0.3
C	3.0 MAX
D	3.0±0.3
E	1.6±0.3

**GENERAL SPECIFICATIONS:**

**RoHS  
COMPLIANT**

P/N	L0 Inductance μH ±20% @0A	DCR (mΩ)		Heat Rating Current	Saturation Current
		[Typical]	[ Max ]	Idc (Amp)	Isat (Amp)
				Typical	MAX
TSPI-0603-R10M	0.10	1.5	1.7	32.5	60
TSPI-0603-R15M	0.15	1.9	2.5	26	52
TSPI-0603-R20M	0.20	2.4	3.0	24	41
TSPI-0603-R22M	0.22	2.5	2.8	23	40
TSPI-0603-R33M	0.33	3.5	3.9	20	30
TSPI-0603-R47M	0.47	4.0	4.2	17.5	26
TSPI-0603-R68M	0.68	5.0	5.5	15.5	25
TSPI-0603-R82M	0.82	6.7	8.0	13	24
TSPI-0603-1R0M	1.0	9	10.0	11	22
TSPI-0603-1R5M	1.5	14	15.0	9	18
TSPI-0603-2R2M	2.2	18	20.0	8	14
TSPI-0603-3R3M	3.3	28	30.0	6	13.5
TSPI-0603-4R7M	4.7	37	40.0	5.5	10
TSPI-0603-6R8M	6.8	54	60.0	4.5	8
TSPI-0603-8R2M	8.2	64	68.0	4	7.5
TSPI-0603-100M	10.0	102	105.0	3	7

© All test Data is referenced to 25°C ambient

© Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

© Typical Saturation DC Current would cause Lo to drop approximately 25%

△ Operating Temperature Range: -55°C to +125°C