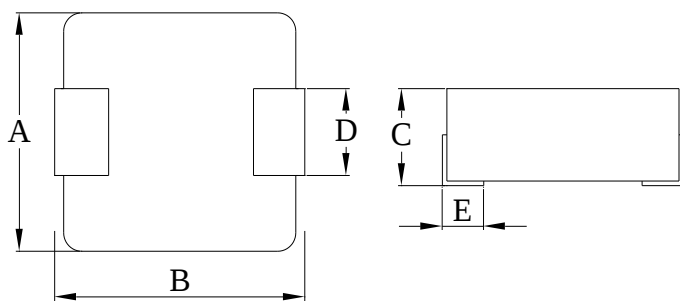


PRODUCT: Power Inductor

SERIES: TSPI-1040

PACKAGING DIMENSION: [Unit: mm]



A	10.5 MAX
B	11.5 MAX
C	4.0 MAX
D	3.0 REF
E	2.3 REF

GENERAL SPECIFICATIONS:

**RoHS
COMPLIANT**

P/N	L0 Inductance $\mu\text{H} \pm 20\%$ @0A	DCR ($\text{m}\Omega$)		Heat Rating Current	Saturation Current
		[Typical]	[Max]	Idc (Amp)	Isat (Amp)
				Typical	Typical
TSPI-1040-R19M	0.19	0.50	0.60	44	44
TSPI-1040-R24M	0.24	0.70	0.80	38	38
TSPI-1040-R36M	0.36	0.85	0.95	35	35
TSPI-1040-R47M	0.47	1.20	1.40	32	32
TSPI-1040-R56M	0.56	1.25	1.35	30	30
TSPI-1040-R68M	0.68	1.60	1.80	25	30
TSPI-1040-R78M	0.78	1.60	1.70	25	25
TSPI-1040-1R0M	1.0	2.20	2.50	20	20
TSPI-1040-1R5M	1.5	4.50	5.00	15	20
TSPI-1040-1R8M	1.8	4.50	5.00	15	15
TSPI-1040-2R0M	2.0	5.20	5.80	14	14
TSPI-1040-2R2M	2.2	5.50	6.30	14	16

◎ 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 20%

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