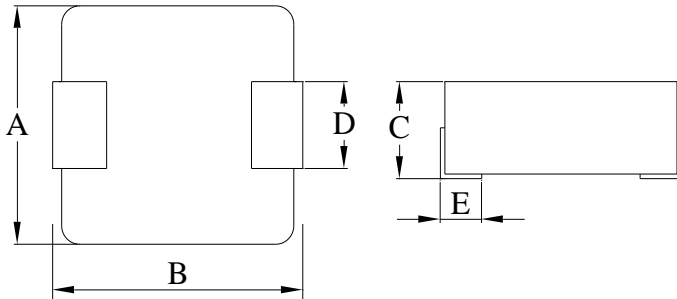


PRODUCT: Power Inductor

SERIES: TSPI-1250

PACKAGING DIMENSION: [Unit: mm]



A	12.9 MAX
B	13.2 ± 0.5
C	5.0 MAX
D	3.8 REF
E	2.5 REF

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-1250-R10M	0.10	0.53	0.60	55	118
TSPI-1250-R22M	0.22	0.64	0.80	51	110
TSPI-1250-R33M	0.33	0.85	1.10	42	80
TSPI-1250-R47M	0.47	1.10	1.30	38	65
TSPI-1250-R56M	0.56	1.30	1.50	36	55
TSPI-1250-R68M	0.68	1.50	1.70	34	54
TSPI-1250-R82M	0.82	2.00	2.30	31	53
TSPI-1250-1R0M	1.0	2.10	2.50	29	50
TSPI-1250-1R2M	1.2	2.80	3.50	25	49
TSPI-1250-1R5M	1.5	3.40	4.10	23	48
TSPI-1250-1R8M	1.8	4.20	4.90	19	40
TSPI-1250-2R2M	2.2	4.60	5.50	20	32
TSPI-1250-3R3M	3.3	7.70	9.20	15	32
TSPI-1250-4R7M	4.7	12.8	15.0	12	27
TSPI-1250-5R6M	5.6	14.0	16.5	11.5	22
TSPI-1250-6R8M	6.8	15.4	18.5	11	21
TSPI-1250-7R8M	7.8	17.2	20.5	10	18
TSPI-1250-8R2M	8.2	18.9	22.5	9.5	18
TSPI-1250-100M	10	21.4	25.5	9	16
TSPI-1250-220M	22	50	58	5.5	8

◎ 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