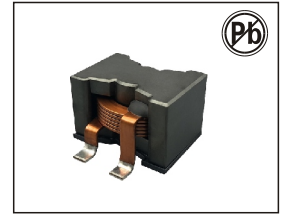


HIGH CURRENT POWER INDUCTORS SPQ2618A SERIES



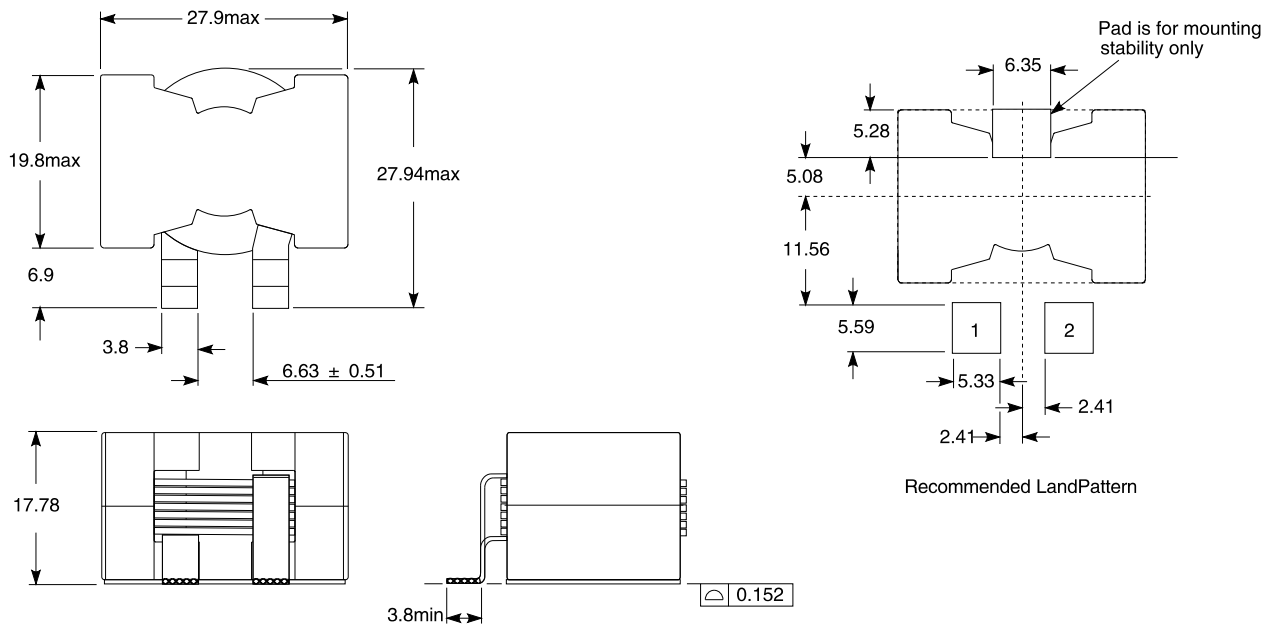
FEATURES:

- High inductance, low magnetic loss, small parasitic capacitance
- Extremely low DCR; Current handling to 93 Amps
- Temperature rise current and saturation current is less influenced by environment
- Third mounting pad for greater stability and board adhesion

ELECTRICAL CHARACTERISTICS@25°C

Part Number	Inductance 500KHz,0.1V (uH) ± 10%	DCR (mΩ)Max	SRF (MHz)typ	Irms(A)typ.		Isat(A)typ.		
				20°C rise	40°C rise	10% drop	20% drop	30% drop
SPQ2618A-3R3K	3.3	2.86	40	20	28	91.0	92.5	93.6
SPQ2618A-4R7K	4.7	2.86	30	20	28	59.0	61.2	62.4
SPQ2618A-6R8K	6.8	2.86	25	20	28	42.0	45.0	45.9
SPQ2618A-100K	10	2.86	20	20	28	28.0	31.2	32.1
SPQ2618A-150K	15	2.86	16	20	28	18.0	21.2	21.9
SPQ2618A-220K	22	2.86	15	20	28	12.0	14.0	15.0
SPQ2618A-330K	33	2.86	10	20	28	7.0	8.7	9.6

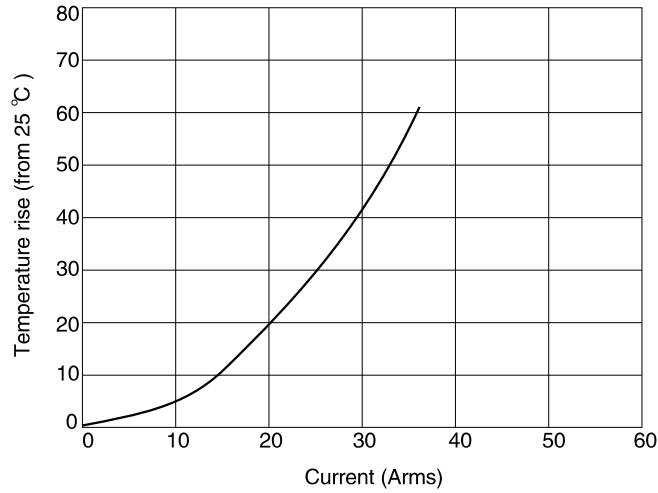
PHYSICAL CHARACTERISTICS & WINDING



- All test data is referenced to 25°C ambient.
- Test condition: 500KHz,0.1V,0 Adc on an Agilent/HP 4284A LCR meter or equivalent.
- Irms:Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.When Irms is greater than Isat, Isat is the more critical specification
- Isat:DC current at 25°C that causes the specified inductance drop from its value without current. When Isat rating is less than Irms, Isat is the more critical specification.
- Operating temperature range is -25°C to 125°C.
- Ambient temperature -40°C to +85°C with (40°C rise) Irms current.
- Maximum part temperature +125°C (ambient + temp rise)
- Storage temperature Component: -40°C to +125°C
- Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

HIGH CURRENT POWER INDUCTORS

TEMPERATURE RISE VS CURRENT



L VS CURRENT L VS FREQUENCY

