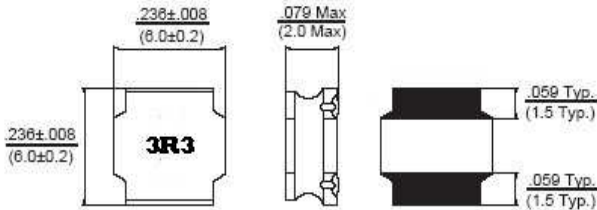




Surface Mount Shielded Power Chip SPC6020-LF

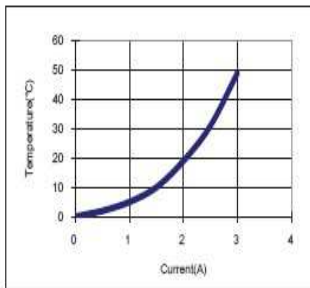
Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Part Number	Inductance uH	Tolerance %	Test Freq KHz	DCR +/-30% ohms	IRMS mA	I sat mA max
SPC6020-2R2M-LF	2.2	20	100	0.034	3200	4200
SPC6020-3R3M-LF	3.3	20	100	0.04	2700	3200

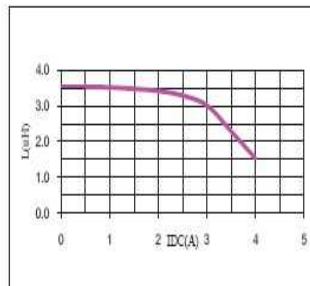
Temp vs Current Graph for 3.3µh

IDC(A)	+T(°C)	surface temp(°C)	time(minute)
0.0	0	25	30
0.5	2	27	30
1.0	5	30	30
1.5	10	35	30
2.0	19	44	30
2.5	31	56	30
3.0	49	74	30



Inductance vs Current Graph for 3.3µh

IDC(A)	L(uH)
0.0	3.55
0.5	3.54
1.0	3.52
1.5	3.48
2.0	3.42
2.5	3.29
3.0	3.01
3.5	2.28
4.0	1.52



Features

- Magnetically Shielded Construction
- Low Profile

Electrical

Inductance Range: 2.2µh - 3.3µh other values available
Tolerance: 20%
Operating Temp: -25°C ~ +105°C
Isat: Based on Inductance drop less than 30%
Irms: Based on a temp rise of 40°C typical

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260°C +/- 5°C
Immersion time: 10 sec. +/- 1 sec.

Test Equipment

(L): HP4284A
 (RDC): Chroma MilliOhm Meter 16502
 Current: HP4284A + HP42841A

Physical

Packaging: Tape and reel
Marking: EIA Inductance Code.

Land Pattern

