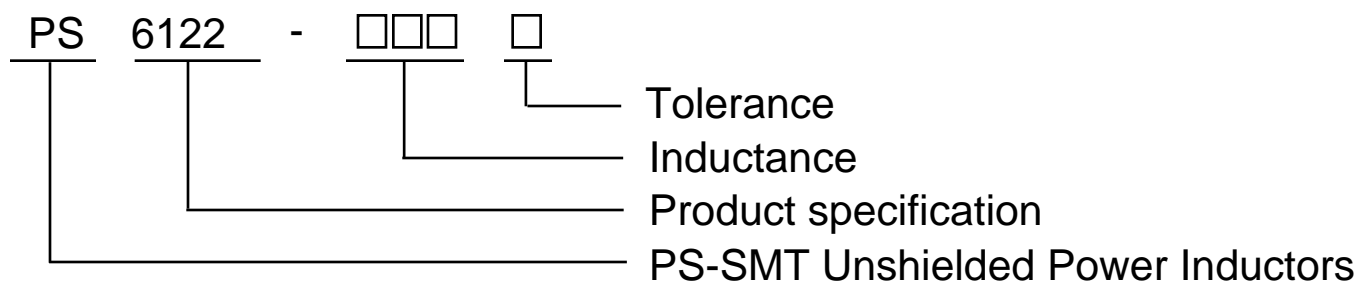




Shielded Power Inductors – PS6122

产品型号

PRODUCT IDENTIFICATION



Tolerance:

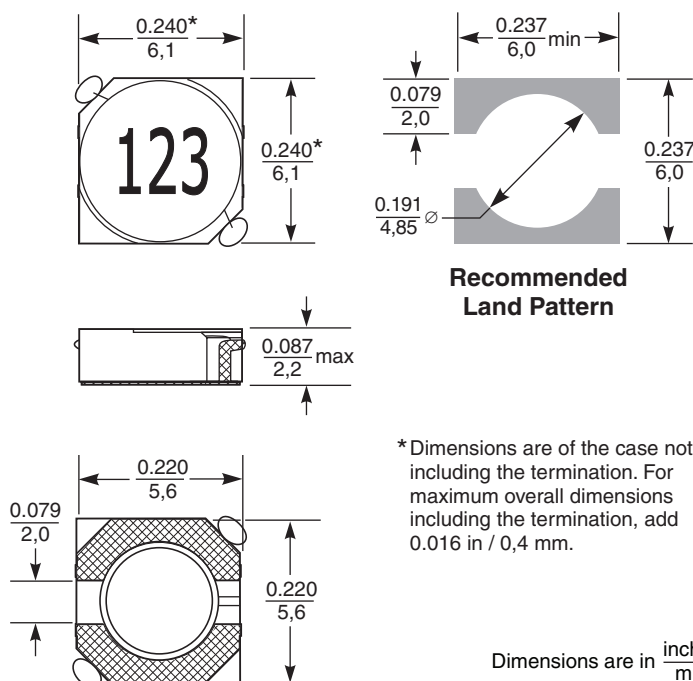
Code	Tolerance
102	1.0uH
103	10.0uH
104	100.0uH
105	1000.0uH
106	10000.0uH

Inductance:

Code	Tolerance
J	± 5%
K	± 10%
L	± 15%
M	± 20%
N	± 30%

外观尺寸

SHAPE AND DIMENSIONS



*Dimensions are of the case not including the termination. For maximum overall dimensions including the termination, add 0.016 in / 0,4 mm.

Dimensions are in $\frac{\text{inches}}{\text{mm}}$



深圳市富尔电子科技有限公司

ADD: 广东省深圳市南山区后海工业七路8号

Http://www.frcoil.com

Tel/Fax: 0755-21606613/21606608

Email: xy@frcoil.com



Shielded Power Inductors – PS6122

规格特性

SPECIFICATIONS

Part number	Inductance ¹ ±20% (µH)	DCR max (Ohms)	SRF typ ² (MHz)	Isat (A) ³			Irms (A) ⁴	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
PS6122-472M	4.7	0.065	65.0	1.44	1.66	1.82	1.60	2.30
PS6122-562M	5.6	0.083	60.0	1.22	1.46	1.60	1.50	2.10
PS6122-682M	6.8	0.100	48.0	1.18	1.36	1.50	1.40	2.00
PS6122-822M	8.2	0.120	44.0	1.12	1.24	1.36	1.30	1.80
PS6122-103M	10	0.150	42.0	0.98	1.10	1.20	1.20	1.70
PS6122-123M	12	0.176	40.0	0.97	1.06	1.14	1.13	1.60
PS6122-153M	15	0.210	38.0	0.85	0.97	1.04	1.06	1.50
PS6122-183M	18	0.280	35.0	0.78	0.89	0.97	0.99	1.40
PS6122-223M	22	0.310	32.0	0.64	0.75	0.82	0.92	1.30
PS6122-273M	27	0.350	26.0	0.62	0.71	0.77	0.85	1.20
PS6122-333M	33	0.460	22.0	0.60	0.69	0.74	0.77	1.10
PS6122-393M	39	0.540	19.0	0.50	0.59	0.64	0.70	1.00
PS6122-473M	47	0.680	18.0	0.47	0.55	0.60	0.63	0.90
PS6122-563M	56	0.740	17.0	0.43	0.50	0.54	0.56	0.80
PS6122-683M	68	1.000	16.0	0.40	0.46	0.50	0.49	0.70
PS6122-823M	82	1.200	15.0	0.37	0.43	0.46	0.42	0.60
PS6122-104M	100	1.370	12.5	0.32	0.37	0.40	0.35	0.50

- 6.1 × 6.1 mm footprint; 2.2 mm high shielded inductors
- Low DCR and excellent current handling
- 2. Inductance tested at 100 kHz, 0.1 Vrms, 0 Adc using an Agilent/HP 4263B LCR meter or equivalent.
- 3. SRF measured using an Agilent/HP 4191A or equivalent.
- 4. DC current at which the inductance drops the specified amount from its value without current.
- 5. Current that causes the specified temperature rise from 25°C ambient.
- 6. Electrical specifications at 25°C.

Designer's Kit C363 contains 3 of each value

Core material Ferrite

Terminations RoHS compliant matte tin over nickel over phos bronze (current production) or gold over nickel over phos bronze (prior production). Other terminations available at additional cost.

Weight 0.19 – 0.23 g

Ambient temperature –40°C to +85°C with Irms current, +85°C to +125°C with derated current

Storage temperature Component: –40°C to +125°C.

Tape and reel packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF)

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332



深圳市富尔电子科技有限公司

ADD: 广东省深圳市南山区后海工业七路8号

Http://www.frcoil.com

Tel/Fax: 0755-21606613/21606608

Email: xy@frcoil.com

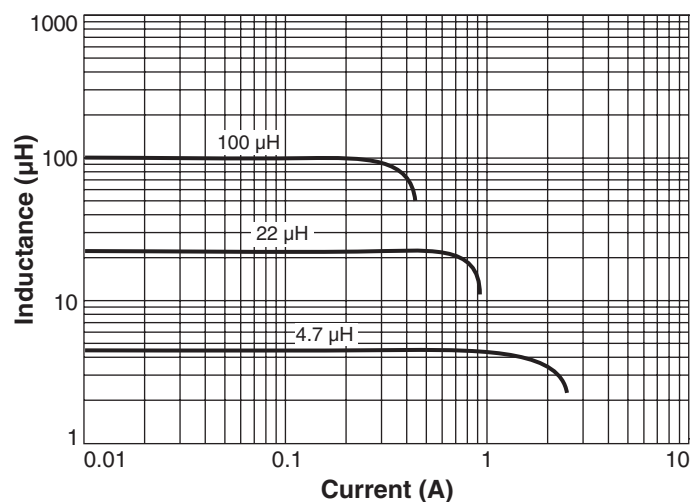


Shielded Power Inductors – PS6122

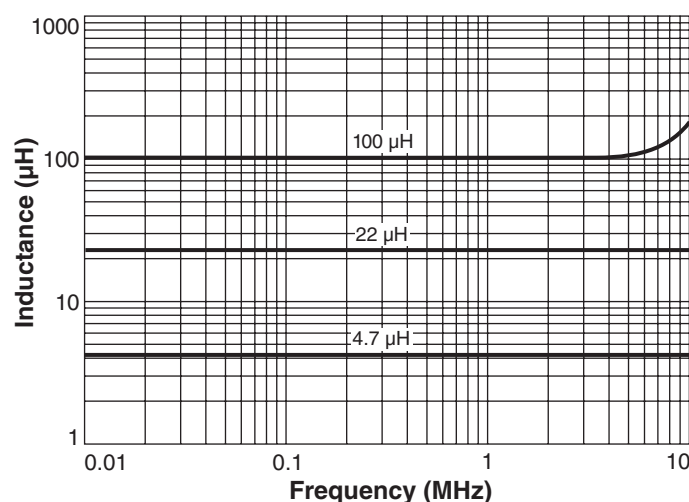
电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

Typical L vs Current



Typical L vs Frequency



Irms Derating

