

SHENZHEN HIGHSTARTECH ELECTRONICS CO.,LTD

HSPQ2012 SERIES

1. FEATURES:

- (1) IDC up to 75A .
- (2) Inductance value is from 0.5uH to 33uH.
- (3) High energy storage and lower DCR.
- (4) Rohs compliant.
- (5) Customize inductance values availabe.

2. APPLICATIONS:

- (1) SMPS.
- (2) Communication equipment/electrical equipment and meter.
- (3) Household appliances/computer and so on.

3. PART NUMBER SYSTEM:

HSPQ2012-2R2M

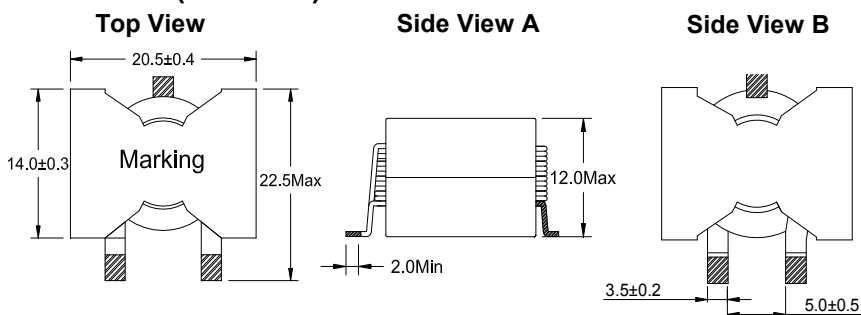
PQ2012-----core dimension is PQ2012

2R2----- inductance value

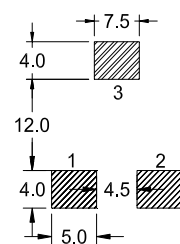
M-----tolerance

4. PHYSICAL CHARACTERISTICS:

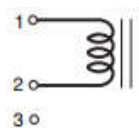
Dimensions(Unit:mm)



Recommended Land Pattern



Spice models



Terminal 3 is for mounting stability only

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5. ELECTRICAL CHARACTERISTICS:

Part number	Inductance(uH)+/-20% 100K, 0.1V,	DCR(mohm) MAX	Isat(A) MAX drop off 30%	Irms(A) MAX temperature rise 40°C
HSPQ2012-R50M	0.5	0.4	75	35
HSPQ2012-2R0M	2.0	1.8	54	28
HSPQ2012-2R2M	2.2	1.8	50	25
HSPQ2012-3R3M	3.3	6.0	49	20
HSPQ2012-4R7M	4.7	6.0	35	20
HSPQ2012-6R8M	6.8	6.0	26	20
HSPQ2012-8R2M	8.2	6.0	20	20
HSPQ2012-100M	10	7.0	20	16
HSPQ2012-150M	15	7.0	15	16
HSPQ2012-220M	22	7.0	10	16
HSPQ2012-330M	33	7.5	7.0	16