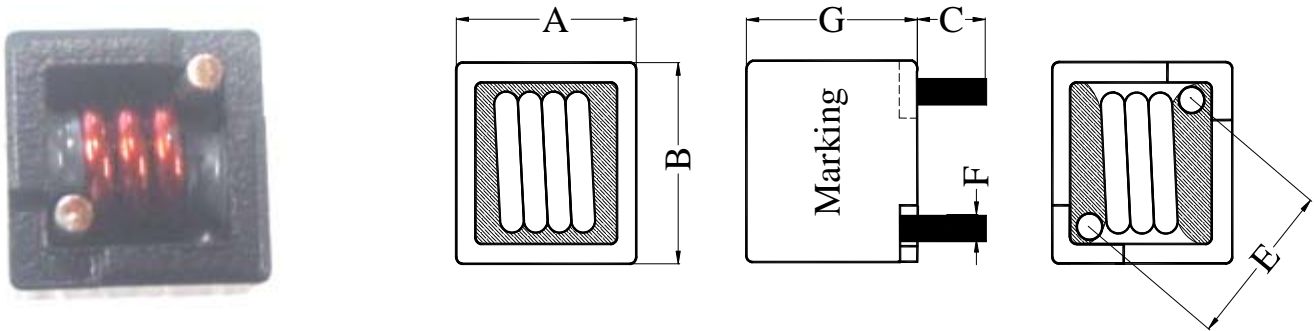




POWER CHOKE

External Dimensions

(Unit:mm)



Series P/N	A(Max.)	B(Max.)	C	E	F	G(Max.)
LRC4735H-R25LU	12.0	12.0	3.5±0.5	8.5±0.5	1.5±0.1	9.0
LRC4735H-R30LU	12.0	12.0	3.5±0.5	8.5±0.5	1.5±0.1	9.0
LRC4735H-R40LU	12.0	12.0	3.5±0.5	8.5±0.5	1.5±0.1	9.0
LRC4735H-R47LU	12.0	12.0	3.5±0.5	8.5±0.5	1.5±0.1	9.0
LRC4735H-R60LU	12.0	12.0	3.5±0.5	8.5±0.5	1.5±0.1	9.0
LRC4735H-R80LU	12.0	12.0	3.5±0.5	9.0±0.5	1.3±0.1	9.0
LRC4735H-1R0LU	12.0	12.0	3.5±0.5	9.0±0.5	1.3±0.1	9.0
LRC4735H-1R2LU	12.0	12.0	3.5±0.5	9.0±0.5	1.1±0.1	9.0
LRC4735H-2R0LU	12.2	12.2	3.5±0.5	9.3±0.5	1.0±0.1	9.0
LRC4735H-2R5LU	12.0	12.0	3.5±0.5	9.5±0.5	0.9±0.1	9.0

Feature

1. Very low DC resistance;
2. With large current loads;
3. Compact size,high performance,low cost.

Application

1. Desktop computers;
2. Servers,workstations;
3. VGA card;
4. High-End switches and routers;
5. Voltage-regulator modules.



POWER CHOKE

Product Identification

LRC 4735 H - 1R0 L U
1 2 3 4 5 6

- | | |
|---------------------|-------------------------|
| 1. Series Name Code | LRC Series |
| 2. Dimensions Code | See above table |
| 3. Inductance Code | 1R0:1.0uH |
| 4. Shape Code | H:Horizontal,V:Vertical |
| 5. Tolerance Code | L:+/-15%,M:+/-20% |
| 6. Special Code | U:RoHS part |

Electrical Characteristic

Series P/N	Inductance (uH)	Test Frequency (KHz)	DC Resistance (mΩ)	Isat (A)	Irms (A)
LRC 4735H-R25LU	0.25±15%	100	0.8±8%	60	40
LRC 4735H-R30LU	0.30±15%	100	0.8±8%	60	38
LRC 4735H-R40LU	0.40±15%	100	0.8±8%	60	38
LRC 4735H-R47LU	0.47±15%	100	0.8±8%	55	33
LRC 4735H-R60LU	0.60±15%	100	0.8±8%	50	29
LRC 4735H-R80LU	0.80±15%	100	1.3±10%	43	27
LRC 4735H-1R0LU	1.0±15%	100	1.3±10%	35	25
LRC 4735H-1R2LU	1.2±15%	100	2.6Max.	30	22
LRC 4735H-2R0LU	2.0±15%	100	3.6Max.	28	20
LRC 4735H-2R5LU	2.5±15%	100	5.2Max.	26	16

Note:

1. Test condition:100KHz,1.0Vrms;
2. Isat:This DC current indicates that the inductance drops 15%(typ.) from its initial value;
3. Irms:This DC current indicates that the surface temperature rise 40°C(typ.) from 25°C ambient;
4. Test Equipments: WK3260A meter for L;WK3260A and WK3265B meter for Isat & Irms;GAIN KAI TA 502BC meter for DCR;
5. Operation temperature:-40°C to 125°C.