

GENERAL SPECIFICATION

- Rating DC current: Temperature rise(ΔT) is 40°C approximately at IDC.
- Saturation DC current: Inductance drop approximately 30% of L_0 at Isat.
- Storage temp.: -40°C ~ 85°C
- Storage R.H.: 30% ~ 70%
- Operating temp.: -25°C ~ +125°C
- Resistance to solder heat: 260°C/10 secs.

电感/1265 4.7 μ H(4R7)**ELECTRICAL CHARACTERISTICS @25°C**

ITEM	SPEC. RANGE	TEST CONDITION	TEST
$L_0(\mu H)$	4.7*(1±20%)	100KHz/1.0V	Agilent E4980A
IDC(A)	14A		Agilent 42841A
Isat(A)	24		Zentech 1320&1320S
DCR(m Ω)	10MAX		Chen Hwa 502BC
IR(COIL-CORE)	100MOHM MIN	DC 100V	JIA KAI 7110
HIPOT(COIL-CORE)	1mA MAX	AC 100V(3 SEC.)	JIA KAI 7110

电感/1265 6.8 μ H(6R8)**ELECTRICAL CHARACTERISTICS @25°C**

ITEM	SPEC. RANGE	TEST CONDITION	TEST
$L_0(\mu H)$	6.8*(1±20%)	100KHz/1.0V	Agilent E4980A
IDC(A)	14		Agilent 42841A
Isat(A)	21		Zentech 1320&1320S
DCR(m Ω)	14MAX		Chen Hwa 502BC
IR(COIL-CORE)	100MOHM MIN	DC 100V	JIA KAI 7110
HIPOT(COIL-CORE)	1mA MAX	AC 100V(3 SEC.)	JIA KAI 7110

电感/1265 22 μ H(220)**ELECTRICAL CHARACTERISTICS @25°C**

ITEM	SPEC. RANGE	TEST CONDITION	TEST
$L_0(\mu H)$	22.0*(1±20%)	100KHz/1.0V	Agilent E4980A
IDC(A)	5		Agilent 42841A
Isat(A)	7.5A		Zentech 1320&1320S
DCR(m Ω)	39MAX		Chen Hwa 502BC
IR(COIL-CORE)	100MOHM MIN	DC 100V	JIA KAI 7110
HIPOT(COIL-CORE)	1mA MAX	AC 100V(3 SEC.)	JIA KAI 7110

电感/1265 33uH(330)

ELECTRICAL CHARACTERISTICS @25°C

ITEM	SPEC. RANGE	TEST CONDITION	TEST
$L_p(\mu\text{H})$	33.0*(1±20%)	100KHz/1.0V	Agilent E4980A
IDC(A)	4A		Agilent 42841A
Isat(A)	7.6		Zentech 1320&1320S
DCR(mΩ)	50MAX		Chen Hwa 502BC
IR(COIL-CORE)	100MOHM MIN	DC 100V	JIA KAI 7110
HIPOT(COIL-CORE)	1mA MAX	AC 100V(3 SEC.)	JIA KAI 7110

电感/1265 47uH(470)

ELECTRICAL CHARACTERISTICS @25°C

ITEM	SPEC. RANGE	TEST CONDITION	TEST
$L_p(\mu\text{H})$	47*(1±20%)	100KHz/1.0V	Agilent E4980A
IDC(A)	5		Agilent 42841A
Isat(A)	6.5		Zentech 1320&1320S
DCR(mΩ)	90MAX		Chen Hwa 502BC
IR(COIL-CORE)	100MOHM MIN	DC 100V	JIA KAI 7110
HIPOT(COIL-CORE)	1mA MAX	AC 100V(3 SEC.)	JIA KAI 7110

电感/1265 68uH(680)

ELECTRICAL CHARACTERISTICS @25°C

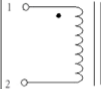
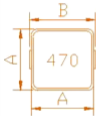
ITEM	SPEC. RANGE	TEST CONDITION	TEST
$L_p(\mu\text{H})$	68*(1±20%)	100KHz/1.0V	Agilent E4980A
IDC(A)	3.8		Agilent 42841A
Isat(A)	6		Zentech 1320&1320S
DCR(mΩ)	130MAX		Chen Hwa 502BC
IR(COIL-CORE)	100MOHM MIN	DC 100V	JIA KAI 7110
HIPOT(COIL-CORE)	1mA MAX	AC 100V(3 SEC.)	JIA KAI 7110

1. DRAWING

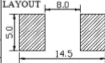
ASSEMBLY

(UNIT: mm)

SCHEMATICS



SUGGESTED PCB LAYOUT



CODE	A	B	C	D	E
DIMENSION	12.8±0.5	13.2±1.0	6.5 MAX	3.8 REF	2.5 REF