FEATURES

- Low cost.
- Wide range of inductance and current.
- High saturation flux density material is ideal for use in switching regulated power supply applications
- Ideal wherever high current choke values in a small physical size are needed.

APPLICATIONS

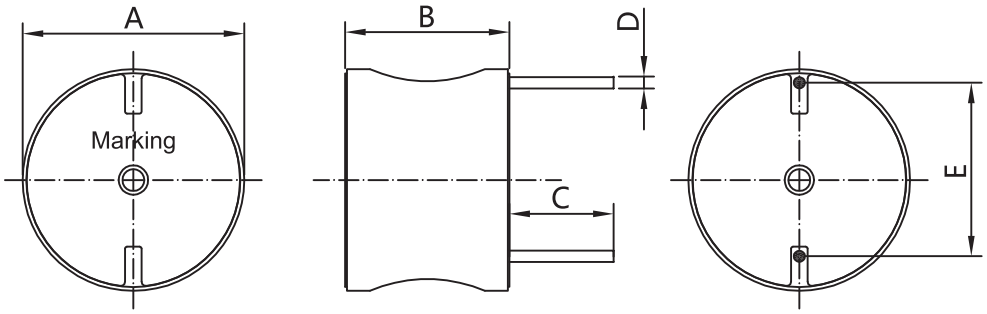
- Typical applications include: power amplifiers, power supplies, SCR and TRIAC controls, speaker crossover networks and filters.

PRODUCT IDENTIFICATION

PKU 2620 – 4R7 M - B
a b c d e

a : Series name
b : Product dimensions
c : Inductance Value (1R0:1.0uH; 100: 10uH; 101:100uH)
d : Inductance Tolerance (K:10% ; M:20% ; N:30%)
e : Packaging style (T: Taping; B: bulk)

SHAPES AND DIMENSIONS Unit: mm



Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	D Ref.	E Ref.
PKU1520	16.5	21.5	12.0	According the specification	According the specification
PKU2020	21.0	21.5	12.0		
PKU2520	27.5	21.5	12.0		
PKU3525	40.0	27.5	12.0		
PKU3535	40.0	38.0	12.0		

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU1520-1R0MB	1.00	10.0	0.003	87	9.0	14.0	1.35
PKU1520-1R2MB	1.20	10.0	0.003	68	9.0	14.0	1.35
PKU1520-1R5MB	1.50	10.0	0.004	56	9.0	14.0	1.35
PKU1520-1R8MB	1.80	10.0	0.004	56	9.0	14.0	1.35
PKU1520-2R2MB	2.20	10.0	0.005	47	9.0	14.0	1.35
PKU1520-2R7MB	2.70	10.0	0.005	47	9.0	14.0	1.35
PKU1520-3R3MB	3.30	10.0	0.005	40	9.0	14.0	1.35
PKU1520-3R9MB	3.90	10.0	0.006	36	9.0	14.0	1.35
PKU1520-4R7MB	4.70	10.0	0.007	32	9.0	14.0	1.35
PKU1520-5R6MB	5.60	10.0	0.007	29	9.0	14.0	1.35
PKU1520-6R8MB	6.80	10.0	0.008	26	9.0	14.0	1.35
PKU1520-8R2MB	8.20	10.0	0.009	24.5	9.0	14.0	1.35
PKU1520-100MB	10.0	10.0	0.010	21.2	9.0	14.0	1.35
PKU1520-120KB	12.0	10.0	0.011	19.0	9.0	14.0	1.35
PKU1520-150KB	15.0	10.0	0.015	17.5	7.2	12.5	1.25
PKU1520-180KB	18.0	10.0	0.016	16.5	7.2	12.5	1.25
PKU1520-220KB	22.0	10.0	0.025	15.8	5.5	12.5	1.10
PKU1520-270KB	27.0	10.0	0.030	14.4	4.5	12.5	1.00
PKU1520-330KB	33.0	10.0	0.040	13.2	4.0	12.5	0.90
PKU1520-390KB	39.0	10.0	0.046	11.8	4.0	12.5	0.90
PKU1520-470KB	47.0	10.0	0.062	11.0	2.8	12.5	0.80
PKU1520-560KB	56.0	10.0	0.069	10.0	2.8	12.5	0.80
PKU1520-680KB	68.0	10.0	0.077	8.9	2.8	12.5	0.80
PKU1520-820KB	82.0	10.0	0.083	8.2	2.8	12.5	0.80
PKU1520-101KB	100.0	10.0	0.095	7.5	2.8	12.5	0.80
PKU1520-121KB	120.0	10.0	0.127	5.8	2.0	12.0	0.70
PKU1520-151KB	150.0	10.0	0.181	5.6	1.6	12.0	0.65
PKU1520-181KB	180.0	10.0	0.217	5.1	1.6	12.0	0.65
PKU1520-221KB	220.0	10.0	0.240	4.3	1.6	12.0	0.65
PKU1520-271KB	270.0	10.0	0.300	4.1	1.6	12.0	0.55
PKU1520-331KB	330.0	10.0	0.336	3.8	1.3	12.0	0.55
PKU1520-391KB	390.0	10.0	0.460	3.3	1.0	12.0	0.55
PKU1520-471KB	470.0	10.0	0.636	3.2	0.8	11.5	0.50
PKU1520-561KB	560.0	10.0	0.696	2.9	0.8	11.5	0.45

Note:
Isat: DC current at which the inductance drops 10% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU2020-1R0MB	1.00	10.0	0.003	108.0	11.4	15.5	1.50
PKU2020-1R5MB	1.50	10.0	0.003	83.0	11.4	15.5	1.50
PKU2020-2R2MB	2.20	10.0	0.004	68.0	11.4	15.5	1.50
PKU2020-3R3MB	3.30	10.0	0.005	58.0	11.4	15.5	1.50
PKU2020-4R7MB	4.70	10.0	0.005	50.0	11.4	15.5	1.50
PKU2020-5R6MB	5.60	10.0	0.006	44.0	11.4	15.5	1.50
PKU2020-6R8MB	6.80	10.0	0.007	39.0	11.4	15.5	1.50
PKU2020-8R2MB	8.20	10.0	0.007	36.0	11.4	15.5	1.50
PKU2020-100MB	10.0	10.0	0.009	30.0	11.4	15.5	1.50
PKU2020-120KB	12.0	10.0	0.009	27.0	11.4	15.5	1.50
PKU2020-150KB	15.0	10.0	0.013	25.0	9.0	16.0	1.35
PKU2020-180KB	18.0	10.0	0.018	22.0	7.2	16.0	1.25
PKU2020-220KB	22.0	10.0	0.019	21.0	7.2	16.0	1.25
PKU2020-270KB	27.0	10.0	0.026	20.5	5.5	14.0	1.10
PKU2020-330KB	33.0	10.0	0.029	18.6	5.5	14.0	1.10
PKU2020-390KB	39.0	10.0	0.030	17.0	5.5	15.0	1.10
PKU2020-470KB	47.0	10.0	0.035	15.1	5.5	16.0	1.05
PKU2020-560KB	56.0	10.0	0.039	13.6	5.5	16.0	1.05
PKU2020-680KB	68.0	10.0	0.053	12.7	4.8	16.5	1.00
PKU2020-820KB	82.0	10.0	0.060	11.3	4.8	16.5	1.00
PKU2020-101KB	100.0	10.0	0.080	10.4	4.0	15.0	0.85
PKU2020-121KB	120.0	10.0	0.090	9.4	4.0	15.0	0.85
PKU2020-151KB	150.0	10.0	0.098	8.6	4.0	15.0	0.85
PKU2020-181KB	180.0	10.0	0.110	7.8	4.0	17.0	0.85
PKU2020-221KB	220.0	10.0	0.150	7.0	2.8	15.0	0.80
PKU2020-271KB	270.0	10.0	0.213	6.3	2.0	14.5	0.75
PKU2020-331KB	330.0	10.0	0.305	5.2	1.6	15.0	0.65
PKU2020-391KB	390.0	10.0	0.320	4.9	1.6	15.0	0.65
PKU2020-471KB	470.0	10.0	0.355	4.5	1.6	15.0	0.65
PKU2020-561KB	560.0	10.0	0.388	4.1	1.6	15.0	0.65
PKU2020-681KB	680.0	10.0	0.430	3.7	1.6	15.0	0.65
PKU2020-821KB	820.0	10.0	0.590	3.4	1.3	15.0	0.55
PKU2020-102KB	1000.0	10.0	0.818	3.1	1.0	15.0	0.50
PKU2020-122KB	1200.0	10.0	1.140	2.7	0.8	15.0	0.50
PKU2020-152KB	1500.0	10.0	1.260	2.4	0.8	15.0	0.50
PKU2020-182KB	1800.0	10.0	1.390	2.2	0.8	15.0	0.50
PKU2020-222KB	2200.0	10.0	1.540	2.0	0.8	15.0	0.50

Note:
Isat: DC current at which the inductance drops 10% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU2520-1R0MB	1.00	10.0	0.003	116.0	21.0	20.5	2.1
PKU2520-2R2MB	2.20	10.0	0.003	90.0	21.0	20.5	2.1
PKU2520-3R3MB	3.30	10.0	0.003	74.0	21.0	20.5	2.1
PKU2520-4R7MB	4.70	10.0	0.003	54.0	21.0	20.5	2.1
PKU2520-6R8MB	6.80	10.0	0.004	47.0	21.0	20.5	2.1
PKU2520-100MB	10.0	10.0	0.006	38.0	17.0	17.5	1.9
PKU2520-120KB	12.0	10.0	0.008	35.0	13.5	17.5	1.75
PKU2520-150KB	15.0	10.0	0.009	32.0	13.5	17.5	1.75
PKU2520-180KB	18.0	10.0	0.010	29.0	13.5	17.5	1.75
PKU2520-220KB	22.0	10.0	0.011	25.0	13.5	20.0	1.75
PKU2520-270KB	27.0	10.0	0.012	23.0	13.5	20.0	1.75
PKU2520-330KB	33.0	10.0	0.017	20.0	13.5	20.0	1.50
PKU2520-390KB	39.0	10.0	0.022	19.0	11.4	20.0	1.35
PKU2520-470KB	47.0	10.0	0.024	19.0	9.0	19.0	1.35
PKU2520-560KB	56.0	10.0	0.026	17.5	9.0	19.0	1.35
PKU2520-680KB	68.0	10.0	0.029	15.6	9.0	19.0	1.35
PKU2520-820KB	82.0	10.0	0.032	14.0	9.0	19.0	1.35
PKU2520-101KB	100.0	10.0	0.034	13.2	9.0	20.0	1.35
PKU2520-121KB	120.0	10.0	0.046	12.1	7.2	19.0	1.30
PKU2520-151KB	150.0	10.0	0.064	10.8	5.5	20.0	1.10
PKU2520-181KB	180.0	10.0	0.072	9.7	5.5	20.0	1.10
PKU2520-221KB	220.0	10.0	0.080	8.7	5.5	20.0	1.05
PKU2520-271KB	270.0	10.0	0.110	7.9	4.5	19.0	1.00
PKU2520-331KB	330.0	10.0	0.122	7.1	4.5	20.5	1.00
PKU2520-391KB	390.0	10.0	0.169	6.7	4.0	19.0	0.90
PKU2520-471KB	470.0	10.0	0.187	6.0	4.0	19.0	0.90
PKU2520-561KB	560.0	10.0	0.205	5.5	4.0	19.0	0.90
PKU2520-681KB	680.0	10.0	0.256	5.0	2.8	18.5	0.80
PKU2520-821KB	820.0	10.0	0.288	4.5	2.8	22.0	0.80
PKU2520-102KB	1000.0	10.0	0.426	4.1	2.0	19.0	0.70
PKU2520-122KB	1200.0	10.0	0.462	3.7	2.0	19.0	0.70
PKU2520-152KB	1500.0	10.0	0.518	3.4	2.0	19.0	0.70
PKU2520-182KB	1800.0	10.0	0.705	2.8	1.6	19.5	0.55
PKU2520-222KB	2200.0	10.0	1.020	2.5	1.3	19.5	0.55
PKU2520-272KB	2700.0	10.0	1.14	2.3	1.3	19.5	0.55
PKU2520-332KB	3300.0	10.0	1.27	2.0	1.3	19.0	0.55
PKU2520-472KB	4700.0	10.0	1.86	1.7	1.0	19.0	0.50

Note:
Isat: DC current at which the inductance drops 10% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU3525-1R8MB	1.80	10.0	0.002	150.0	27.0	28.5	2.40
PKU3525-2R2MB	2.20	10.0	0.002	150.0	27.0	28.5	2.40
PKU3525-2R7MB	2.70	10.0	0.003	115.0	27.0	28.5	2.40
PKU3525-3R3MB	3.30	10.0	0.003	115.0	27.0	28.5	2.40
PKU3525-3R9MB	3.90	10.0	0.003	95.0	27.0	28.5	2.40
PKU3525-4R7MB	4.70	10.0	0.003	95.0	27.0	28.5	2.40
PKU3525-5R6MB	5.60	10.0	0.004	79.0	27.0	28.5	2.40
PKU3525-6R8MB	6.80	10.0	0.004	79.0	27.0	28.5	2.40
PKU3525-8R2MB	8.20	10.0	0.004	69.0	27.0	28.5	2.40
PKU3525-100MB	10.0	10.0	0.005	61.0	27.0	28.5	2.40
PKU3525-120KB	12.0	10.0	0.005	55.0	27.0	28.5	2.40
PKU3525-150KB	15.0	10.0	0.006	49.0	27.0	28.5	2.40
PKU3525-180KB	18.0	10.0	0.008	41.0	27.0	28.5	2.40
PKU3525-220KB	22.0	10.0	0.009	38.0	21.0	28.5	2.10
PKU3525-270KB	27.0	10.0	0.010	26.0	21.0	29.0	2.10
PKU3525-330KB	33.0	10.0	0.011	31.0	21.0	29.0	2.10
PKU3525-390KB	39.0	10.0	0.012	28.0	14.4	29.0	2.10
PKU3525-470KB	47.0	10.0	0.018	27.0	14.4	29.0	1.75
PKU3525-560KB	56.0	10.0	0.019	26.1	14.4	29.0	1.75
PKU3525-680KB	68.0	10.0	0.021	24.4	14.4	29.0	1.75
PKU3525-820KB	82.0	10.0	0.023	22.4	14.4	29.0	1.75
PKU3525-101KB	100.0	10.0	0.025	20.0	14.4	29.0	1.75
PKU3525-121KB	120.0	10.0	0.028	18.0	14.4	30.0	1.75
PKU3525-151KB	150.0	10.0	0.040	16.4	11.4	28.5	1.50
PKU3525-181KB	180.0	10.0	0.045	14.5	11.4	28.5	1.50
PKU3525-221KB	220.0	10.0	0.050	13.2	11.4	28.5	1.50
PKU3525-271KB	270.0	10.0	0.056	11.8	11.4	29.5	1.50
PKU3525-331KB	330.0	10.0	0.074	11.4	11.4	28.5	1.35
PKU3525-391KB	390.0	10.0	0.082	10.1	9.0	30.0	1.35
PKU3525-471KB	470.0	10.0	0.114	9.2	7.2	28.5	1.20
PKU3525-561KB	560.0	10.0	0.125	8.3	7.2	28.5	1.20
PKU3525-681KB	680.0	10.0	0.139	7.6	7.2	28.5	1.20
PKU3525-821KB	820.0	10.0	0.154	6.8	7.2	30.0	1.20
PKU3525-102KB	1000.0	10.0	0.216	6.2	5.5	27.0	1.10
PKU3525-122KB	1200.0	10.0	0.232	5.7	5.5	29.5	1.10
PKU3525-152KB	1500.0	10.0	0.324	5.1	4.5	29.5	1.00
PKU3525-182KB	1800.0	10.0	0.360	4.6	4.5	29.5	1.00

Note:
Isat: DC current at which the inductance drops 10% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU3525-222MB	2200.0	10.0	0.494	4.2	4.0	27.0	0.85
PKU3525-272MB	2700.0	10.0	0.555	3.8	4.0	27.0	0.85
PKU3525-332MB	3300.0	10.0	0.773	3.4	2.8	27.0	0.80
PKU3525-392MB	3900.0	10.0	0.745	3.1	2.8	28.5	0.80
PKU3525-472MB	4700.0	10.0	1.140	2.9	2.0	28.5	0.70
PKU3525-562MB	5600.0	10.0	1.600	2.5	2.0	28.5	0.70
PKU3525-682MB	6800.0	10.0	1.760	2.3	1.6	28.5	0.65
PKU3525-822MB	8200.0	10.0	1.950	2.0	1.6	29.5	0.65
PKU3525-103MB	10000.0	10.0	2.760	1.8	1.3	29.5	0.55
PKU3525-123MB	12000.0	10.0	3.040	1.7	1.3	29.5	0.55
PKU3525-153MB	15000.0	10.0	3.390	1.5	1.3	29.5	0.55

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU3535-1R8MB	1.80	10.0	0.002	155.0	35.0	28.0	2.70
PKU3535-2R2MB	2.20	10.0	0.002	155.0	35.0	28.0	2.70
PKU3535-2R7MB	2.70	10.0	0.002	125.0	35.0	28.0	2.70
PKU3535-3R3MB	3.30	10.0	0.002	125.0	35.0	28.0	2.70
PKU3535-3R9MB	3.90	10.0	0.003	102.0	35.0	28.0	2.70
PKU3535-4R7MB	4.70	10.0	0.003	87.0	35.0	28.0	2.70
PKU3535-5R6MB	5.60	10.0	0.003	87.0	35.0	28.0	2.70
PKU3535-6R8MB	6.80	10.0	0.003	87.0	35.0	28.0	2.70
PKU3535-8R2MB	8.20	10.0	0.003	76.0	35.0	28.0	2.70
PKU3535-100MB	10.0	10.0	0.004	67.0	35.0	28.0	2.70
PKU3535-120KB	12.0	10.0	0.004	60.0	35.0	29.5	2.70
PKU3535-150KB	15.0	10.0	0.005	49.0	35.0	29.5	2.70
PKU3535-180KB	18.0	10.0	0.007	45.0	27.0	29.5	2.40
PKU3535-220KB	22.0	10.0	0.007	42.0	27.0	29.5	2.40
PKU3535-270KB	27.0	10.0	0.008	35.0	27.0	29.5	2.40
PKU3535-330KB	33.0	10.0	0.009	34.0	27.0	29.5	2.40
PKU3535-390KB	39.0	10.0	0.010	30.0	27.0	29.5	2.40
PKU3535-470KB	47.0	10.0	0.011	28.0	27.0	29.5	2.40
PKU3535-560KB	56.0	10.0	0.013	26.0	21.0	29.5	2.10
PKU3535-680KB	68.0	10.0	0.015	23.0	21.0	31.5	2.10
PKU3535-820KB	82.0	10.0	0.017	20.0	21.0	32.5	2.10

Note:
Isat: DC current at which the inductance drops 10% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq. (KHz)	DCR max. (Ω)	Isat.(A)	Irms.(A)	Dimension	
						D	E
PKU3535-101KB	100.0	10.0	0.018	19.0	21.0	31.5	2.10
PKU3535-121KB	120.0	10.0	0.022	18.0	17.0	29.5	1.90
PKU3535-151KB	150.0	10.0	0.025	16.0	17.0	29.5	1.90
PKU3535-181KB	180.0	10.0	0.035	14.0	13.5	28.0	1.70
PKU3535-221KB	220.0	10.0	0.040	13.0	13.5	28.0	1.70
PKU3535-271KB	270.0	10.0	0.044	11.0	13.5	28.0	1.70
PKU3535-331KB	330.0	10.0	0.049	10.0	13.5	28.0	1.70
PKU3535-391KB	390.0	10.0	0.070	9.7	11.4	29.5	1.50
PKU3535-471KB	470.0	10.0	0.078	8.8	11.4	27.5	1.50
PKU3535-561KB	560.0	10.0	0.105	8.1	9.0	27.5	1.35
PKU3535-681KB	680.0	10.0	0.115	7.4	9.0	27.5	1.35
PKU3535-821KB	820.0	10.0	0.127	6.7	9.0	28.5	1.35
PKU3535-102KB	1000.0	10.0	0.176	6.1	7.2	28.5	1.20
PKU3535-122KB	1200.0	10.0	0.195	5.5	7.2	28.5	1.20
PKU3535-152KB	1500.0	10.0	0.274	5.0	5.5	28.5	1.10
PKU3535-182KB	1800.0	10.0	0.302	4.5	5.5	28.5	1.10
PKU3535-222MB	2200.0	10.0	0.338	4.1	5.5	29.5	1.10
PKU3535-272MB	2700.0	10.0	0.459	3.7	4.5	26.0	1.00
PKU3535-332MB	3300.0	10.0	0.642	3.4	4.0	26.0	0.90
PKU3535-392MB	3900.0	10.0	0.699	3.0	4.0	29.0	0.90
PKU3535-472MB	4700.0	10.0	0.775	2.8	4.0	29.0	0.90
PKU3535-562MB	5600.0	10.0	0.843	2.6	4.0	29.0	0.90
PKU3535-682MB	6800.0	10.0	1.150	2.3	2.8	27.0	0.80
PKU3535-822MB	8200.0	10.0	1.260	2.1	2.8	29.5	0.80
PKU3535-103MB	10000.0	10.0	1.740	1.9	2.0	28.5	0.70
PKU3535-123MB	12000.0	10.0	1.920	1.7	2.0	28.5	0.70
PKU3535-153MB	15000.0	10.0	2.170	1.5	2.0	28.5	0.70

Note:
Isat: DC current at which the inductance drops 10% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient