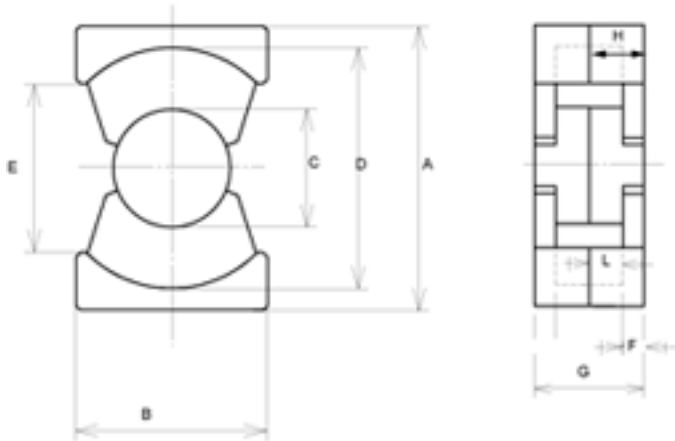


Planar PQ20 Series

New Product

SHAPES AND DIMENSIONS: UNITS (mm)



- Features:**
- Distributed gap Super flux material
 - No fringing flux
 - Working frequency up to 1 MHz
 - Ideally for SMD inductor & planar power factor correction chokes application.
- Super Flux Material General Information**
- $U_i = -56$
 - $B_s = 16,000$ Gauss
 - $T_c > 500^\circ\text{C}$
 - Permeability with DC Bias, $H_{dc} = 50$ oesteds at 10 KHz = 44(76%)
 - $Q > 60$ at 100KHz to 70KHz
 - $Q > 40$ at 1MHz

DIMENSIONS OF MAIN PRODUCTIONS

Alliance P/N	AL Value	A	B	C	D	E	F	G	H	L Typical
PQ20 430/130-FC56-BT	88	20.4±0.23	14.0±0.23	8.95±0.15	18.02±0.15	12.10±0.20	1.30 +0.10 -0.05	8.60±0.15	4.30±0.10	3.00
PQ20 340/120-FC56-BT	92	20.4±0.23	14.0±0.23	8.95±0.15	18.02±0.15	12.10±0.20	1.20 +0.10 -0.05	6.80±0.15	3.40±0.10	2.20
PQ20 340/160-FC56-BT	100	20.4±0.23	14.0±0.23	8.95±0.15	18.02±0.15	12.10±0.20	1.60 +0.10 -0.05	6.80±0.15	3.40±0.10	1.80
PQ20 340/190-FC56-BT	110	20.4±0.23	14.0±0.23	8.95±0.15	18.02±0.15	12.10±0.20	1.90 +0.10 -0.05	6.80±0.15	3.40±0.10	1.50
PQ20 290/140-FC56-BT	105	20.4±0.23	14.0±0.23	8.95±0.15	18.02±0.15	12.10±0.20	1.40 +0.10 -0.05	5.8±0.15	2.90±0.10	1.50
PQ20 290/190-FC56-BT	115	20.4±0.23	14.0±0.23	8.95±0.15	18.02±0.15	12.10±0.20	1.90 +0.10 -0.05	5.8±0.15	2.90±0.10	1.00

Notes:

1. AL Value is measured with 2 core half combined.
2. H and F dimension is adjustable
3. Flat wire coil is available for above planar core set. Please contact Alliance Magnetics for additional information

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