

Shielded Construction - SMD / QPCRH Series



Feature

1. High current and inductance capacity.
2. Specially designed for surface mounting equipment, good for high density application.
3. Low profile very effective in space-conscious applications.
4. Low resistance and high-energy storage.

Application

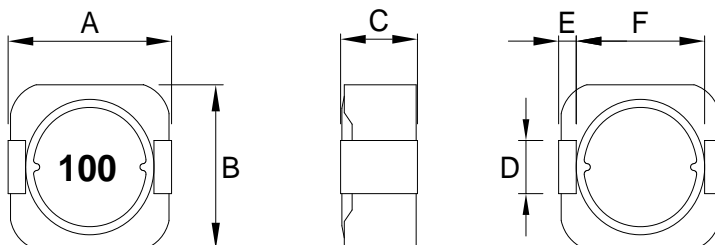
Power supply for VTR, OA equipment, LCD TV,
Notebook PC, DC/DC Converter, DC/AC Inverter.

Product Identification

W QPCRH 0602RB - 2R2 —
1 2 3 4 5

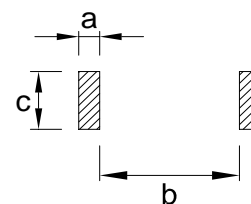
1. Lead-Free part number.
2. Series name.
3. Dimension.
4. Inductance. (See Details)
5. Tolerance. (See Details)

Configurations & Dimensions



Series Name	A	B	C	D	E	F
QPCRH0602RB	7.0 max.	6.3 max.	2.6 max.	2.0±0.2	0.6±0.2	4.8±0.2
QPCRH0603RB	7.0 max.	6.3 max.	3.6 max.	2.0±0.3	0.6±0.3	4.8±0.3

Series Name	a	b	c
QPCRH0602RB	1.00	4.60	2.60
QPCRH0603RB	1.00	4.60	2.60



PCB Pattern

Unit: mm

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■ Electrical Characteristics / QPCRH0602RB

System Number	Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. (m Ω)	Rated Current Max. (mA)
WP09S0101-00	QPCRH0602RB-1R0 __	1.0	1.0 / 100K	14	3,480
WP09S0102-00	QPCRH0602RB-1R5 __	1.5	1.0 / 100K	18	2,830
WP09S0103-00	QPCRH0602RB-2R2 __	2.2	1.0 / 100K	20	2,440
WP09S0104-00	QPCRH0602RB-3R3 __	3.3	1.0 / 100K	30	1,890
WP09S0105-00	QPCRH0602RB-4R7 __	4.7	1.0 / 100K	39	1,650
WP09S0106-00	QPCRH0602RB-6R8 __	6.8	1.0 / 100K	54	1,370
WP09S0107-00	QPCRH0602RB-100 __	10	1.0 / 100K	80	1,070
WP09S0108-00	QPCRH0602RB-120 __	12	1.0 / 100K	94	1,350
WP09S0109-00	QPCRH0602RB-150 __	15	1.0 / 100K	109	870
WP09S0110-00	QPCRH0602RB-180 __	18	1.0 / 100K	138	790
WP09S0111-00	QPCRH0602RB-220 __	22	1.0 / 100K	163	710
WP09S0112-00	QPCRH0602RB-270 __	27	1.0 / 100K	212	640
WP09S0113-00	QPCRH0602RB-330 __	33	1.0 / 100K	244	580
WP09S0114-00	QPCRH0602RB-390 __	39	1.0 / 100K	306	530
WP09S0115-00	QPCRH0602RB-470 __	47	1.0 / 100K	363	480
WP09S0116-00	QPCRH0602RB-560 __	56	1.0 / 100K	431	440
WP09S0117-00	QPCRH0602RB-680 __	68	1.0 / 100K	500	400
WP09S0118-00	QPCRH0602RB-820 __	82	1.0 / 100K	580	360
WP09S0119-00	QPCRH0602RB-101 __	100	1.0 / 100K	820	330

※ Rated current that will cause initial inductance value approximately 20% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)

Shielded Construction - SMD / QPCRH Series

■ Electrical Characteristics / QPCRH0603RB

System Number	Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. (m Ω)	Rated Current Max. (mA)
WP09S0202-00	QPCRH0603RB-1R5 __	1.5	1.0 / 100K	18	3300
WP09S0203-00	QPCRH0603RB-2R2 __	2.2	1.0 / 100K	20	2,997
WP09S0204-00	QPCRH0603RB-3R3 __	3.3	1.0 / 100K	27	2,573
WP09S0205-00	QPCRH0603RB-4R7 __	4.7	1.0 / 100K	33	2,084
WP09S0206-00	QPCRH0603RB-6R8 __	6.8	1.0 / 100K	39	1,835
WP09S0220-00	QPCRH0603RB-8R2 __	8.2	1.0 / 100K	45	1,540
WP09S0207-00	QPCRH0603RB-100 __	10	1.0 / 100K	52	1,490
WP09S0208-00	QPCRH0603RB-120 __	12	1.0 / 100K	65	1,280
WP09S0209-00	QPCRH0603RB-150 __	15	1.0 / 100K	80	1,100
WP09S0210-00	QPCRH0603RB-180 __	18	1.0 / 100K	85	1,050
WP09S0211-00	QPCRH0603RB-220 __	22	1.0 / 100K	110	970
WP09S0212-00	QPCRH0603RB-270 __	27	1.0 / 100K	146	820
WP09S0213-00	QPCRH0603RB-330 __	33	1.0 / 100K	169	760
WP09S0214-00	QPCRH0603RB-390 __	39	1.0 / 100K	198	700
WP09S0215-00	QPCRH0603RB-470 __	47	1.0 / 100K	218	680
WP09S0216-00	QPCRH0603RB-560 __	56	1.0 / 100K	268	600
WP09S0217-00	QPCRH0603RB-680 __	68	1.0 / 100K	333	560
WP09S0218-00	QPCRH0603RB-820 __	82	1.0 / 100K	436	470
WP09S0219-00	QPCRH0603RB-101 __	100	1.0 / 100K	496	450
WP09S0221-00	QPCRH0603RB-151 __	150	1.0 / 100K	691	370

※ Rated current that will cause initial inductance value approximately 20% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)