

## Feature

1. Large permissible DC current and low DC resistance.
2. Compact and thin.
3. Low cost and packed in embossed carrier tape.

## Application

1. DC/DC Converter of portable equipment.
2. Camcorder, LCD TV set, Digital still camera, PDA ...
3. Small size communication equipment.

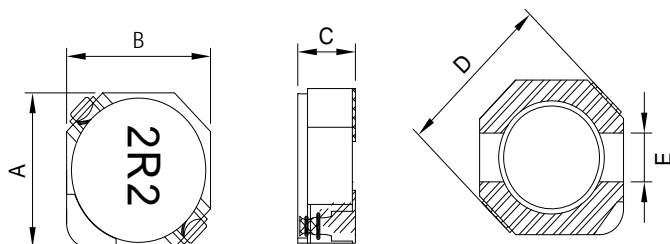
## Product Identification

W QPC 4S18 - 2R2 5

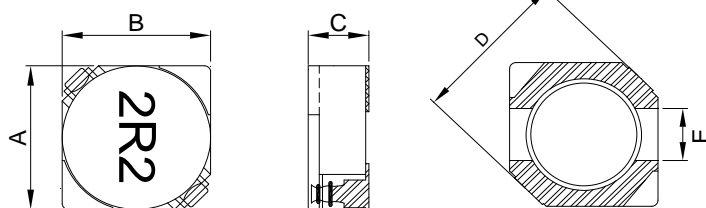
1 2 3 4 5

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

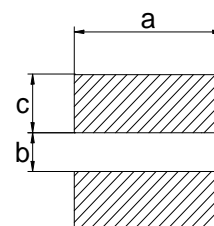
## Configurations & Dimensions



Dimension : 2S08 , 2S14 , 2S18  
3S11 , 3S18 , 3S28



Dimension : 4S18 , 4S28



PCB Pattern

Series Name	A	B	C	D	E	a	b	c
QPC2S08	3.2 max.	3.2 max.	0.9 max.	3.3 typ.	0.9 typ.	3.60	0.80	1.30
QPC2S14	3.2 max.	3.2 max.	1.6 max.	3.3 typ.	0.9 typ.	3.60	0.80	1.30
QPC2S18	3.2 max.	3.2 max.	2.0 max.	3.3 typ.	0.9 typ.	3.60	0.80	1.30
QPC3S11	4.0 max.	4.0 max.	1.3 max.	4.4 typ.	1.2 typ.	4.60	1.00	1.65
QPC3S18	4.0 max.	4.0 max.	1.8 max.	4.4 typ.	1.2 typ.	4.60	1.00	1.65
QPC3S28	4.0 max.	4.0 max.	3.0 max.	4.4 typ.	1.2 typ.	4.60	1.00	1.65
QPC4S18	5.0 max.	5.0 max.	2.0 max.	6.9 typ.	1.7 typ.	5.30	1.50	1.90
QPC4S28	5.0 max.	5.0 max.	3.0 max.	6.9 typ.	1.7 typ.	5.30	1.50	1.90

Unit: mm

## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC2S08

System Number	Part Number	Inductance ( $\mu\text{H}$ )	Test Frequency (Volt / Hz)	DC Resistance Max. ( $\text{m}\Omega$ )	Saturation Current Max. (mA)
WP07S0951-00	QPC2S08-1R5__	1.5	1.0/100K	163	1,000
WP07S0902-00	QPC2S08-2R2__	2.2	1.0/100K	238	900
WP07S0904-00	QPC2S08-3R3__	3.3	1.0/100K	313	750
WP07S0906-00	QPC2S08-4R7__	4.7	1.0/100K	475	600
WP07S0908-00	QPC2S08-6R8__	6.8	1.0/100K	600	500
WP07S0910-00	QPC2S08-100__	10.0	1.0/100K	938	400
WP07S0912-00	QPC2S08-150__	15.0	1.0/100K	1,625	300
WP07S0914-00	QPC2S08-220__	22.0	1.0/100K	2,125	250

### Electrical Characteristics / QPC2S14

System Number	Part Number	Inductance ( $\mu\text{H}$ )	Test Frequency (Volt / Hz)	DC Resistance Max. ( $\text{m}\Omega$ )	Saturation Current Max. (mA)
WP07S0A02-00	QPC2S14-2R2__	2.2	1.0/100K	113	1,700
WP07S0A04-00	QPC2S14-3R3__	3.3	1.0/100K	156	1,300
WP07S0A06-00	QPC2S14-4R7__	4.7	1.0/100K	225	1,000
WP07S0A08-00	QPC2S14-6R8__	6.8	1.0/100K	325	900
WP07S0A10-00	QPC2S14-100__	10.0	1.0/100K	475	700
WP07S0A14-00	QPC2S14-220__	22.0	1.0/100K	875	400
WP07S0A16-00	QPC2S14-330__	33.0	1.0/100K	1,625	400

### Electrical Characteristics / QPC2S18

System Number	Part Number	Inductance ( $\mu\text{H}$ )	Test Frequency (Volt / Hz)	DC Resistance Max. ( $\text{m}\Omega$ )	Saturation Current Max. (mA)
WP07S0B52-00	QPC2S18-1R7__	1.7	1.0/100K	63	2,000
WP07S0B02-00	QPC2S18-2R2__	2.2	1.0/100K	75	1,800
WP07S0B04-00	QPC2S18-3R3__	3.3	1.0/100K	100	1,400
WP07S0B06-00	QPC2S18-4R7__	4.7	1.0/100K	156	1,200
WP07S0B07-00	QPC2S18-5R6__	5.6	1.0/100K	188	1,150
WP07S0B53-00	QPC2S18-6R3__	6.3	1.0/100K	225	1,100
WP07S0B08-00	QPC2S18-6R8__	6.8	1.0/100K	231	1,000
WP07S0B09-00	QPC2S18-8R2__	8.2	1.0/100K	238	800
WP07S0B10-00	QPC2S18-100__	10.0	1.0/100K	275	700
WP07S0B12-00	QPC2S18-150__	15.0	1.0/100K	475	600
WP07S0B14-00	QPC2S18-220__	22.0	1.0/100K	750	500
WP07S0B16-00	QPC2S18-330__	33.0	1.0/100K	938	400
WP07S0B18-00	QPC2S18-470__	47.0	1.0/100K	2,000	300

※ Saturation current that will cause initial inductance value approximately 20% rolloff. (Ta=25±5℃)

## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC3S11

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Saturation Current Max. ( mA )
WP07S0C02-00	QPC3S11-2R2__	2.2	1.0/100K	94	1,600
WP07S0C04-00	QPC3S11-3R3__	3.3	1.0/100K	125	1,400
WP07S0C06-00	QPC3S11-4R7__	4.7	1.0/100K	188	1,200
WP07S0C08-00	QPC3S11-6R8__	6.8	1.0/100K	250	1,000
WP07S0C10-00	QPC3S11-100__	10.0	1.0/100K	438	800
WP07S0C12-00	QPC3S11-150__	15.0	1.0/100K	625	600
WP07S0C14-00	QPC3S11-220__	22.0	1.0/100K	938	500
WP07S0C16-00	QPC3S11-330__	33.0	1.0/100K	1,625	400
WP07S0C17-00	QPC3S11-390__	39.0	1.0/100K	1,688	400
WP07S0C18-00	QPC3S11-470__	47.0	1.0/100K	2,500	300
WP07S0C20-00	QPC3S11-680__	68.0	1.0/100K	3,375	250
WP07S0C27-00	QPC3S11-221__	220.0	1.0/100K	10,000	150
WP07S0C29-00	QPC3S11-331__	330.0	1.0/100K	18,750	100
WP07S0C39-00	QPC3S11-471__	470.0	1.0/100K	22,500	90
WP07S0C40-00	QPC3S11-561__	560.0	1.0/100K	27,500	80
WP07S0C41-00	QPC3S11-681__	680.0	1.0/100K	31,250	80

### Electrical Characteristics / QPC3S18

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Saturation Current Max. ( mA )
WP07S0D54-00	QPC3S18-1R0__	1.0	1.0/100K	38	3,000
WP07S0D02-00	QPC3S18-2R2__	2.2	1.0/100K	81	2,000
WP07S0D04-00	QPC3S18-3R3__	3.3	1.0/100K	94	1,800
WP07S0D06-00	QPC3S18-4R7__	4.7	1.0/100K	156	1,500
WP07S0D07-00	QPC3S18-5R6__	5.6	1.0/100K	206	1,200
WP07S0D08-00	QPC3S18-6R8__	6.8	1.0/100K	213	1,000
WP07S0D09-00	QPC3S18-8R2__	8.2	1.0/100K	250	900
WP07S0D10-00	QPC3S18-100__	10.0	1.0/100K	281	900
WP07S0D12-00	QPC3S18-150__	15.0	1.0/100K	438	800
WP07S0D13-00	QPC3S18-180__	18.0	1.0/100K	563	700
WP07S0D14-00	QPC3S18-220__	22.0	1.0/100K	781	600
WP07S0D16-00	QPC3S18-330__	33.0	1.0/100K	1,200	400
WP07S0D18-00	QPC3S18-470__	47.0	1.0/100K	1,625	300
WP07S0D20-00	QPC3S18-680__	68.0	1.0/100K	2,300	300

※ Saturation current that will cause initial inductance value approximately 20% rolloff. (Ta=25±5℃)

## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC3S28

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Saturation Current Max. ( mA )
WP07S0E26-00	QPC3S28-1R8__	1.8	1.0/100K	56	3,000
WP07S0E02-00	QPC3S28-2R2__	2.2	1.0/100K	69	2,600
WP07S0E04-00	QPC3S28-3R3__	3.3	1.0/100K	75	2,300
WP07S0E06-00	QPC3S28-4R7__	4.7	1.0/100K	81	1,800
WP07S0E07-00	QPC3S28-5R6__	5.6	1.0/100K	94	1,600
WP07S0E08-00	QPC3S28-6R8__	6.8	1.0/100K	113	1,400
WP07S0E10-00	QPC3S28-100__	10.0	1.0/100K	131	1,200
WP07S0E12-00	QPC3S28-150__	15.0	1.0/100K	194	1,000
WP07S0E13-00	QPC3S28-180__	18.0	1.0/100K	219	800
WP07S0E14-00	QPC3S28-220__	22.0	1.0/100K	306	700
WP07S0E16-00	QPC3S28-330__	33.0	1.0/100K	350	600
WP07S0E18-00	QPC3S28-470__	47.0	1.0/100K	775	500

### Electrical Characteristics / QPC4S18

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Saturation Current Max. ( mA )
WP07S0102-00	QPC4S18-2R2__	2.2	1.0/100K	48	2,000
WP07S0104-00	QPC4S18-3R3__	3.3	1.0/100K	63	1,700
WP07S0106-00	QPC4S18-4R7__	4.7	1.0/100K	106	1,400
WP07S0107-00	QPC4S18-5R6__	5.6	1.0/100K	113	1,200
WP07S0108-00	QPC4S18-6R8__	6.8	1.0/100K	125	1,200
WP07S0109-00	QPC4S18-8R2__	8.2	1.0/100K	145	1,000
WP07S0110-00	QPC4S18-100__	10.0	1.0/100K	175	900
WP07S0112-00	QPC4S18-150__	15.0	1.0/100K	244	700
WP07S0113-00	QPC4S18-180__	18.0	1.0/100K	306	600
WP07S0114-00	QPC4S18-220__	22.0	1.0/100K	338	550
WP07S0116-00	QPC4S18-330__	33.0	1.0/100K	488	500
WP07S0118-00	QPC4S18-470__	47.0	1.0/100K	750	400
WP07S0120-00	QPC4S18-680__	68.0	1.0/100K	1,125	350
WP07S0121-00	QPC4S18-820__	82.0	1.0/100K	1,250	300

※ Saturation current that will cause initial inductance value approximately 20% rolloff. (Ta=25±5℃)

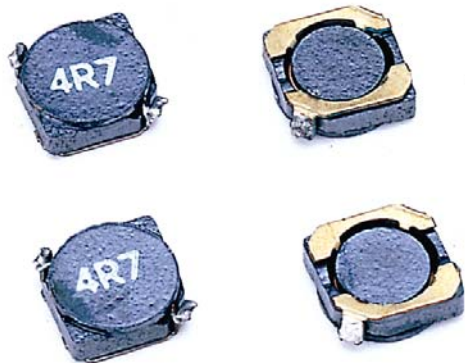
## Shielded Construction - SMD / QPC-S Series

### ■ Electrical Characteristics / QPC4S28

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Saturation Current Max. ( mA )
WP07S0201-00	QPC4S28-1R2__	1.2	1.0/100K	30	4,000
WP07S0202-02	QPC4S28-2R2__	2.2	1.0/100K	44	3,000
WP07S0203-00	QPC4S28-2R7__	2.7	1.0/100K	43	2,500
WP07S0204-00	QPC4S28-3R3__	3.3	1.0/100K	50	2,200
WP07S0206-00	QPC4S28-4R7__	4.7	1.0/100K	81	2,000
WP07S0208-00	QPC4S28-6R8__	6.8	1.0/100K	88	1,600
WP07S0210-00	QPC4S28-100__	10.0	1.0/100K	125	1,300
WP07S0211-00	QPC4S28-120__	12.0	1.0/100K	163	1,200
WP07S0212-00	QPC4S28-150__	15.0	1.0/100K	188	1,100
WP07S0213-00	QPC4S28-180__	18.0	1.0/100K	200	1,000
WP07S0220-00	QPC4S28-220__	22.0	1.0/100K	250	1,000
WP07S0216-00	QPC4S28-330__	33.0	1.0/100K	313	700
WP07S0218-00	QPC4S28-470__	47.0	1.0/100K	525	600
WP07S0220-00	QPC4S28-680__	68.0	1.0/100K	750	550
WP07S0221-00	QPC4S28-820__	82.0	1.0/100K	875	550

※ Saturation current that will cause initial inductance value approximately 20% rolloff. (Ta=25±5℃)

## Shielded Construction - SMD / QPC-S Series



### Feature

1. Large permissible DC current and low DC resistance.
2. Compact and thin.
3. Low cost and packed in embossed carrier tape.

### Application

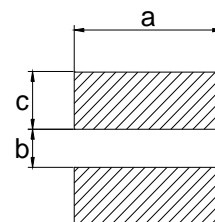
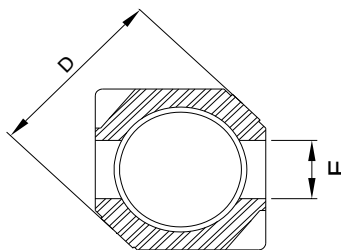
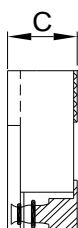
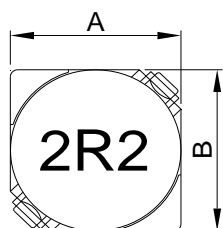
1. DC/DC Converter of portable equipment.
2. Camcorder, LCD TV set, Digital still camera, PDA ...
3. Small size communication equipment.

### Product Identification

W   QPC   5S18 - 100   —  
 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



PCB Pattern

Series Name	A	B	C	D	E	a	b	c
QPC5S18	6.0 max.	6.0 max.	2.0 max.	8.2 max.	2.0 typ.	6.30	2.00	2.15
QPC5S28	6.0 max.	6.0 max.	3.0 max.	8.2 max.	2.0 typ.	6.30	2.00	2.15
QPC6S28	7.0 max.	7.0 max.	3.0 max.	9.5 max.	2.0 typ.	7.30	2.00	2.65
QPC6S38	7.0 max.	7.0 max.	4.0 max.	9.5 max.	2.0 typ.	7.30	2.00	2.65

Unit: mm

## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC5S18

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
WP07S0301-00	QPC5S18-4R1 __	4.1	1.0/100K	57	1,950
WP07S0332-00	QPC5S18-5R4 __	5.4	1.0/100K	76	1,600
WP07S0333-00	QPC5S18-6R2 __	6.2	1.0/100K	96	1,400
WP07S0334-00	QPC5S18-8R9 __	8.9	1.0/100K	116	1,250
WP07S0310-00	QPC5S18-100 __	10	1.0/100K	124	1,200
WP07S0311-00	QPC5S18-120 __	12	1.0/100K	153	1,100
WP07S0312-00	QPC5S18-150 __	15	1.0/100K	196	970
WP07S0313-00	QPC5S18-180 __	18	1.0/100K	210	850
WP07S0314-00	QPC5S18-220 __	22	1.0/100K	290	800
WP07S0315-00	QPC5S18-270 __	27	1.0/100K	330	750
WP07S0316-00	QPC5S18-330 __	33	1.0/100K	386	650
WP07S0317-00	QPC5S18-390 __	39	1.0/100K	520	570
WP07S0318-00	QPC5S18-470 __	47	1.0/100K	595	540
WP07S0319-00	QPC5S18-560 __	56	1.0/100K	665	500
WP07S0320-00	QPC5S18-680 __	68	1.0/100K	840	430
WP07S0321-00	QPC5S18-820 __	82	1.0/100K	978	410
WP07S0322-00	QPC5S18-101 __	100	1.0/100K	1,200	360
WP07S0323-00	QPC5S18-121 __	120	1.0/100K	1,500	330
WP07S0324-00	QPC5S18-151 __	150	1.0/100K	1,710	310
WP07S0325-00	QPC5S18-181 __	180	1.0/100K	2,240	280
WP07S0327-00	QPC5S18-221 __	220	1.0/100K	2,440	230
WP07S0329-00	QPC5S18-331 __	330	1.0/100K	4,340	180

※ Rated current that will cause initial inductance value approximately 35% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)

## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC5S28

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
WP07S0435-00	QPC5S28-2R6 __	2.6	1.0/100K	18	2,600
WP07S0436-00	QPC5S28-3R0 __	3.0	1.0/100K	24	2,400
WP07S0437-00	QPC5S28-4R2 __	4.2	1.0/100K	31	2,200
WP07S0438-00	QPC5S28-5R3 __	5.3	1.0/100K	38	1,900
WP07S0433-00	QPC5S28-6R2 __	6.2	1.0/100K	45	1,800
WP07S0409-00	QPC5S28-8R2 __	8.2	1.0/100K	53	1,600
WP07S0410-00	QPC5S28-100 __	10	1.0/100K	65	1,300
WP07S0411-00	QPC5S28-120 __	12	1.0/100K	76	1,200
WP07S0412-00	QPC5S28-150 __	15	1.0/100K	103	1,100
WP07S0413-00	QPC5S28-180 __	18	1.0/100K	110	1,000
WP07S0414-00	QPC5S28-220 __	22	1.0/100K	122	900
WP07S0415-00	QPC5S28-270 __	27	1.0/100K	175	850
WP07S0416-00	QPC5S28-330 __	33	1.0/100K	198	750
WP07S0417-00	QPC5S28-390 __	39	1.0/100K	212	700
WP07S0418-00	QPC5S28-470 __	47	1.0/100K	260	620
WP07S0419-00	QPC5S28-560 __	56	1.0/100K	305	580
WP07S0420-00	QPC5S28-680 __	68	1.0/100K	355	520
WP07S0421-00	QPC5S28-820 __	82	1.0/100K	463	460
WP07S0422-00	QPC5S28-101 __	100	1.0/100K	520	420
WP07S0423-00	QPC5S28-121 __	120	1.0/100K	560	400
WP07S0424-00	QPC5S28-151 __	150	1.0/100K	680	350
WP07S0425-00	QPC5S28-181 __	180	1.0/100K	930	320
WP07S0427-00	QPC5S28-221 __	220	1.0/100K	1,150	300
WP07S0428-00	QPC5S28-271 __	270	1.0/100K	1,560	270
WP07S0429-00	QPC5S28-331 __	330	1.0/100K	1,980	250
WP07S0430-00	QPC5S28-391 __	390	1.0/100K	2,500	220
WP07S0439-00	QPC5S28-471 __	470	1.0/100K	2,700	200
WP07S0440-00	QPC5S28-561 __	560	1.0/100K	3,120	180
WP07S0441-00	QPC5S28-681 __	680	1.0/100K	4,150	160

※ Rated current that will cause initial inductance value approximately 35% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)



## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC6S28

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
WP07S0536-00	QPC6S28-3R0 __	3.0	1.0/100K	24	3,000
WP07S0505-00	QPC6S28-3R9 __	3.9	1.0/100K	27	2,600
WP07S0542-00	QPC6S28-5R0 __	5.0	1.0/100K	31	2,400
WP07S0543-00	QPC6S28-6R0 __	6.0	1.0/100K	35	2,250
WP07S0544-00	QPC6S28-7R3 __	7.3	1.0/100K	54	2,100
WP07S0545-00	QPC6S28-8R6 __	8.6	1.0/100K	58	1,850
WP07S0510-00	QPC6S28-100 __	10	1.0/100K	65	1,700
WP07S0511-00	QPC6S28-120 __	12	1.0/100K	70	1,550
WP07S0512-00	QPC6S28-150 __	15	1.0/100K	84	1,400
WP07S0513-00	QPC6S28-180 __	18	1.0/100K	95	1,320
WP07S0514-00	QPC6S28-220 __	22	1.0/100K	128	1,200
WP07S0515-00	QPC6S28-270 __	27	1.0/100K	142	1,050
WP07S0516-00	QPC6S28-330 __	33	1.0/100K	165	970
WP07S0517-00	QPC6S28-390 __	39	1.0/100K	210	860
WP07S0518-00	QPC6S28-470 __	47	1.0/100K	238	800
WP07S0519-00	QPC6S28-560 __	56	1.0/100K	277	730
WP07S0520-00	QPC6S28-680 __	68	1.0/100K	304	650
WP07S0521-00	QPC6S28-820 __	82	1.0/100K	390	600
WP07S0522-00	QPC6S28-101 __	100	1.0/100K	535	540
WP07S0523-00	QPC6S28-121 __	120	1.0/100K	750	510
WP07S0524-00	QPC6S28-151 __	150	1.0/100K	950	470
WP07S0525-00	QPC6S28-181 __	180	1.0/100K	1,200	410
WP07S0527-00	QPC6S28-221 __	220	1.0/100K	1,500	370
WP07S0528-00	QPC6S28-271 __	270	1.0/100K	1,700	330
WP07S0529-00	QPC6S28-331 __	330	1.0/100K	2,150	280
WP07S0530-00	QPC6S28-391 __	390	1.0/100K	2,250	270
WP07S0539-00	QPC6S28-471 __	470	1.0/100K	3,150	210
WP07S0540-00	QPC6S28-561 __	560	1.0/100K	3,750	200
WP07S0541-00	QPC6S28-681 __	680	1.0/100K	5,150	200

※ Rated current that will cause initial inductance value approximately 35% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)

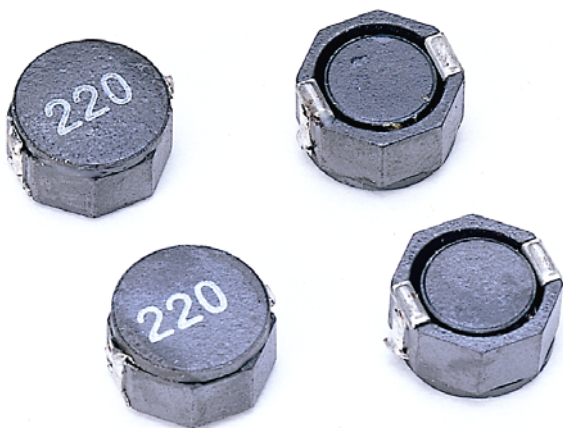
## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC6S38

System Number	Part Number	Inductance ( $\mu$ H)	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
WP07S0604-00	QPC6S38-3R3 __	3.3	1.0/100K	20	3,500
WP07S0642-00	QPC6S38-5R0 __	5.0	1.0/100K	24	2,900
WP07S0633-00	QPC6S38-6R2 __	6.2	1.0/100K	27	2,500
WP07S0646-00	QPC6S38-7R4 __	7.4	1.0/100K	31	2,300
WP07S0647-00	QPC6S38-8R7 __	8.7	1.0/100K	34	2,200
WP07S0610-00	QPC6S38-100 __	10	1.0/100K	38	2,000
WP07S0611-00	QPC6S38-120 __	12	1.0/100K	53	1,700
WP07S0612-00	QPC6S38-150 __	15	1.0/100K	57	1,600
WP07S0613-00	QPC6S38-180 __	18	1.0/100K	92	1,500
WP07S0614-00	QPC6S38-220 __	22	1.0/100K	96	1,300
WP07S0615-00	QPC6S38-270 __	27	1.0/100K	109	1,200
WP07S0616-00	QPC6S38-330 __	33	1.0/100K	124	1,100
WP07S0617-00	QPC6S38-390 __	39	1.0/100K	138	1,000
WP07S0618-00	QPC6S38-470 __	47	1.0/100K	155	950
WP07S0619-00	QPC6S38-560 __	56	1.0/100K	202	850
WP07S0620-00	QPC6S38-680 __	68	1.0/100K	234	750
WP07S0621-00	QPC6S38-820 __	82	1.0/100K	324	700
WP07S0622-00	QPC6S38-101 __	100	1.0/100K	358	650
WP07S0623-00	QPC6S38-121 __	120	1.0/100K	470	590
WP07S0624-00	QPC6S38-151 __	150	1.0/100K	580	540
WP07S0625-00	QPC6S38-181 __	180	1.0/100K	690	490
WP07S0627-00	QPC6S38-221 __	220	1.0/100K	890	430
WP07S0628-00	QPC6S38-271 __	270	1.0/100K	1,290	400
WP07S0629-00	QPC6S38-331 __	330	1.0/100K	1,700	370
WP07S0630-00	QPC6S38-391 __	390	1.0/100K	1,750	340
WP07S0639-00	QPC6S38-471 __	470	1.0/100K	2,200	320
WP07S0640-00	QPC6S38-561 __	560	1.0/100K	2,850	290
WP07S0641-00	QPC6S38-681 __	680	1.0/100K	3,200	250
WP07S0648-00	QPC6S38-821 __	820	1.0/100K	4,050	220
WP07S0649-00	QPC6S38-102 __	1000	1.0/100K	5,700	200

※ Rated current that will cause initial inductance value approximately 35% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)

## Shielded Construction - SMD / QPC-S Series



### Feature

1. Large permissible DC current and low DC resistance.
2. Compact and thin.
3. Low cost and packed in embossed carrier tape.

### Application

1. DC/DC Converter of portable equipment.
2. Camcorder, LCD TV set, Digital still camera, PDA ...
3. Small size communication equipment.

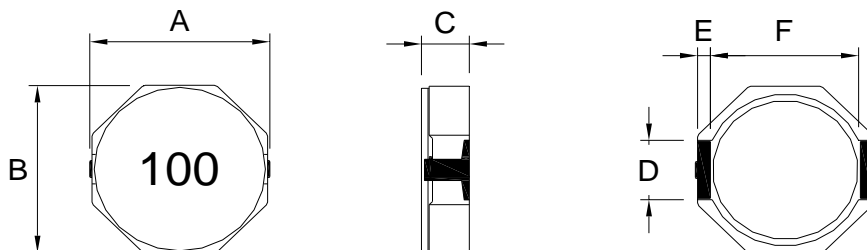
### Product Identification

**W QPC 8S28 - 3R3**

**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

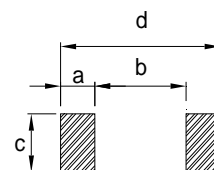


Series Name	A	B	C	D	E	F
QPC8S28	9.8 max.	8.3 max.	3.2 max.	2.5 typ.	1.2 typ.	6.3 typ.
QPC8S43	9.8 max.	8.3 max.	4.7 max.	2.5 typ.	1.2 typ.	6.3 typ.

Unit: mm

Series Name	a	b	c	d
QPC8S28	2.00	6.10	2.80	10.10
QPC8S43	2.00	6.10	2.80	10.10

Unit: mm



PCB Pattern

## Shielded Construction - SMD / QPC-S Series

### Electrical Characteristics / QPC8S28

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
WP07S0750-00	QPC8S28-2R5 __	2.5	0.1 / 100K	16	4,500
WP07S0704-00	QPC8S28-3R3 __	3.3	0.1 / 100K	18	4,000
WP07S0706-00	QPC8S28-4R7 __	4.7	0.1 / 100K	25	3,400
WP07S0744-00	QPC8S28-7R3 __	7.3	0.1 / 100K	39	2,800
WP07S0710-00	QPC8S28-100 __	10	0.1 / 100K	47	2,500
WP07S0712-00	QPC8S28-150 __	15	0.1 / 100K	69	1,900
WP07S0714-00	QPC8S28-220 __	22	0.1 / 100K	99	1,600
WP07S0716-00	QPC8S28-330 __	33	0.1 / 100K	156	1,300
WP07S0718-00	QPC8S28-470 __	47	0.1 / 100K	195	1,150
WP07S0720-00	QPC8S28-680 __	68	0.1 / 100K	286	920
WP07S0722-00	QPC8S28-101 __	100	0.1 / 100K	430	750

### Electrical Characteristics / QPC8S43

System Number	Part Number	Inductance ( $\mu$ H )	Test Frequency ( Volt / Hz )	DC Resistance Max. ( m $\Omega$ )	Rated Current Max. ( mA )
WP07S0855-00	QPC8S43-2R0 __	2.0	0.1 / 100K	14	5,500
WP07S0805-00	QPC8S43-3R9 __	3.9	0.1 / 100K	19	4,500
WP07S0806-00	QPC8S43-4R7 __	4.7	0.1 / 100K	22	4,100
WP07S0808-00	QPC8S43-6R8 __	6.8	0.1 / 100K	25	3,900
WP07S0810-00	QPC8S43-100 __	10	0.1 / 100K	36	3,200
WP07S0812-00	QPC8S43-150 __	15	0.1 / 100K	53	2,300
WP07S0814-00	QPC8S43-220 __	22	0.1 / 100K	75	1,800
WP07S0816-00	QPC8S43-330 __	33	0.1 / 100K	125	1,400
WP07S0818-00	QPC8S43-470 __	47	0.1 / 100K	150	1,300
WP07S0820-00	QPC8S43-680 __	68	0.1 / 100K	240	1,000
WP07S0822-00	QPC8S43-101 __	100	0.1 / 100K	360	800

※ Rated current that will cause initial inductance value approximately 35% rolloff or temperature rise approximate 40°C without core loss. (Ta=25±5°C)