

## Excellent Integrated System Limited

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[748150](#)

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- RF Inductors
- LTCC Components
- Design Kits for RF Components

## Design Kit for GPS Applications

Order Code: 748150

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### Electrical properties

#### WE-MCA

Order Code	frequency range (MHz)	Peak Gain (dBi)	Average Gain (dBi)	Impedance (Ω)	VSWR
7488910157_	1555-1595	- 1.0	- 3.0	50	2.0

### Electrical properties

#### WE-LPF

Order Code	frequency range (MHz)	Insertion Loss (dB)	Attenuation I (dB)	Attenuation II (dB)	Attenuation III (dB)	VSWR
748111017	1710-1910	0.6	30	25	20	1.7
748111018	1850-1910	0.6	27	19		1.7

- Deutsch
- English

### Electrical properties













#### WE-BAL

Order Code	frequency range (MHz)	unbalanced impedance (Ω)	Balanced impedance (Ω)	Insertion Loss (dB)	Phase imbalance (°)	Amplitude imbalance (dB)	VSWR
748421185	1700-2000	50		0,79			1,51
748422144	1400-1500	50	200	1.0	180	2	1.45
748422185	1700-2000	50		0,82			1,4
748425160	1500-1700	50	50	0.75	180	2	1.35
748425185	1700-2000	50		0,66			

### Electrical properties

#### WE-MK

Order Code	Inductance (nH)	Tolerance Inductance	Testcondition Inductance	Q Factor	Testcondition Q Factor	Self Resonant Frequency (MHz)	Rated Current (mA)	DC Resistance (Ω)
74478401	1.0	± 0,3nH	100 MHz	8	100 MHz	15000	300	0.12
744784012	1.2	± 0,3nH	100 MHz	8	100 MHz	15000	300	0.12
744784018	1.8	± 0,3nH	100 MHz	8	100 MHz	14000	300	0.14
74478402	2.0	± 0,3nH	100 MHz	8	100 MHz	12000	300	0.16
744784022	2.2	± 0,3nH	100 MHz	8	100 MHz	12000	300	0.16
744784027	2.7	± 0,3nH	100 MHz	8	100 MHz	9500	300	0.17

	744784030	3	± 0,3nH				9000	300	0,17
	744784033	3.3	± 0,3nH	100 MHz	8	100 MHz	8500	300	0,19
	744784039	3.9	± 0,3nH	100 MHz	8	100 MHz	7000	300	0,22
	74478601	1.5	± 0,3nH	100 MHz	8	100 MHz	17000	600	0,10
	744786010	1.0	± 0,3nH	100 MHz	8	100 MHz	17000	600	0,10
	744786011	1.8	± 0,3nH	100 MHz	8	100 MHz	13000	600	0,15
	744786012	1.2	± 0,3nH	100 MHz	8	100 MHz	17000	600	0,10
	74478602	2.2	± 0,3nH	100 MHz	8	100 MHz	12000	600	0,15
	744786022	2.7	± 0,3nH	100 MHz	8	100 MHz	8600	600	0,20
	74478603	3.3	± 0,3nH	100 MHz	8	100 MHz	6500	600	0,25
	744786033	3.9	± 0,3nH	100 MHz	8	100 MHz	6300	600	0,25
	74478604	4.7	± 0,3nH	100 MHz	8	100 MHz	5400	600	0,30

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