


FMBD series (Rev. 4.1)



Features

- * RoHS compliant
- * EMI suppressor for wide band/ narrow band/ high current
- * Fit for power line & signal line circuit
- * Monolithic structure for high reliability.
- * To help you go pass the CE/ FCC standard.
- * Small size chips generate high impedance.

Product Identification

FMBD **201209** **601** **N** 
 1 2 3 4 5

1. Product Code: FMBD
2. Size Code (L*W*H): 2.0 * 1.2 * 0.9mm
3. Impedance (ohm): 600ohm
4. Tolerance: M=±20%, N=±25%
5. Type: A-normal; H-high current; S- Super current

FMBD series are SMD components that cover a wide impedance characteristic. Their impedance mainly comprises resistive part. Therefore, when this component is inserted in series with a noise conduction path, the noise content can be attenuated.

Applications

- * RF circuit and module
- * Tablet, notebook, desktop computer and peripheral equipment
- * DSC/ DVC/ LCD television/ set top box
- * Mobile device/ handheld device/ low profile device/ panel...
- * Various electronic equipment

Operating & Storage Condition :

- * Operating Temp. : -40 to +85 °C
- * Storage Temp. : -40 to +85 °C
- * Storage Life Time : 12 Months @25 °C , RH 65%

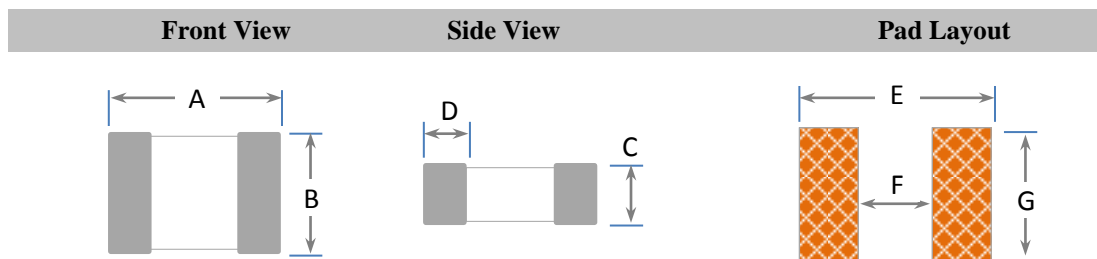
Test Equipment :

- * HP4284A, HP42841A, HP4287A, HP433B- L, IDC, Q, RDC
- * HP8753D NETWORK ANALYZER- SRF

Standard Atmospheric Conditions :

- * Ambient Temp : 20+/-15 °C
- * Relative Humidity : 65+/-20%

Dimension & Recommended PAD Layout: [mm]



Size Code	A	B	C	D	E(ref.)	F(ref.)	G(ref.)
060303	0.60±0.03	0.30±0.03	0.30±0.03	0.15±0.05	0.70	0.30	0.40
100505	1.00±0.15	0.50±0.15	0.50±0.15	0.25±0.15	1.10	0.40	0.60
160808	1.60±0.15	0.80±0.15	0.80±0.15	0.40±0.20	1.80	0.60	1.00
201209	2.00±0.20	1.25±0.20	0.90±0.20	0.50±0.30	2.40	0.80	1.45
321609	3.20±0.20	1.60±0.20	0.90±0.20	0.50±0.30	3.60	1.00	1.85
321611	3.20±0.20	1.60±0.20	1.10±0.20	0.70±0.30	3.60	1.00	1.85
322513	3.20±0.20	2.50±0.20	1.30±0.20	0.80±0.20	3.60	1.10	2.80
451616	4.50±0.20	1.60±0.20	1.60±0.20	0.80±0.20	5.00	1.10	1.85
453215	4.50±0.20	3.20±0.20	1.50±0.20	0.80±0.20	5.00	1.10	3.60

Electrical Characteristics- Normal

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD060303-121NA	120	0.450	0.360	200
FMBD060303-151NA	150	0.500	0.400	200
FMBD100505-060NA	6	0.050	0.040	500
FMBD100505-100NA	10	0.050	0.040	500
FMBD100505-300NA	30	0.200	0.160	300
FMBD100505-330NA	33	0.200	0.160	300
FMBD100505-400NA	40	0.300	0.240	300
FMBD100505-750NA	75	0.400	0.320	300
FMBD100505-800NA	80	0.400	0.320	200
FMBD100505-101NA	100	0.450	0.360	200
FMBD100505-121NA	120	0.500	0.400	200
FMBD100505-221NA	220	0.500	0.400	200
FMBD100505-241NA	240	0.500	0.400	200
FMBD100505-301NA	300	0.750	0.600	100
FMBD100505-481NA	480	0.800	0.640	200
FMBD100505-601NA	600	1.000	0.800	200
FMBD100505-102NA	1000	1.500	1.200	100
FMBD100505-152NA	1500	2.000	1.600	60
FMBD160808-100NA	10	0.020	0.016	500
FMBD160808-110NA	11	0.050	0.040	500
FMBD160808-190NA	19	0.080	0.064	500
FMBD160808-220NA	22	0.100	0.080	400
FMBD160808-250NA	25	0.100	0.080	400
FMBD160808-260NA	26	0.100	0.080	400
FMBD160808-300NA	30	0.100	0.080	400
FMBD160808-310NA	31	0.100	0.080	400
FMBD160808-400NA	40	0.100	0.080	400
FMBD160808-470NA	47	0.100	0.080	300
FMBD160808-500NA	50	0.100	0.080	300
FMBD160808-600NA	60	0.100	0.080	300
FMBD160808-700NA	70	0.150	0.120	300
FMBD160808-750NA	75	0.150	0.120	300
FMBD160808-800NA	80	0.150	0.120	300
FMBD160808-900NA	90	0.200	0.160	300
FMBD160808-101NA	100	0.200	0.160	300
FMBD160808-121NA	120	0.250	0.200	300
FMBD160808-151NA	150	0.300	0.240	200
FMBD160808-181NA	180	0.300	0.240	200
FMBD160808-201NA	200	0.300	0.240	200
FMBD160808-221NA	220	0.300	0.240	200
FMBD160808-241NA	240	0.400	0.320	200
FMBD160808-301NA	300	0.400	0.320	200
FMBD160808-331NA	330	0.500	0.400	200
FMBD160808-401NA	400	0.300	0.240	400
FMBD160808-451NA	450	0.500	0.400	200
FMBD160808-471NA	470	0.500	0.400	200
FMBD160808-501NA	500	0.500	0.400	200
FMBD160808-601NA	600	0.500	0.400	200
FMBD160808-751NA	750	0.700	0.560	200
FMBD160808-102NA	1000	0.700	0.560	200

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- Normal

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD201209-070A	7 (tolerance: 0~11Ω)	0.100	0.080	600
FMBD201209-090A	9 (tolerance: 5~13Ω)	0.100	0.080	600
FMBD201209-110A	11 (tolerance: 7~15Ω)	0.100	0.080	600
FMBD201209-170A	17 (tolerance: 14~21Ω)	0.100	0.080	600
FMBD201209-190A	19 (tolerance: 12~25Ω)	0.100	0.080	600
FMBD201209-220NA	22	0.100	0.080	600
FMBD201209-260NA	26	0.100	0.080	600
FMBD201209-300NA	30	0.100	0.080	600
FMBD201209-310NA	31	0.100	0.080	600
FMBD201209-320NA	32	0.100	0.080	300
FMBD201209-400NA	40	0.100	0.080	500
FMBD201209-470NA	47	0.100	0.080	500
FMBD201209-500NA	50	0.100	0.080	500
FMBD201209-600NA	60	0.150	0.120	500
FMBD201209-700NA	70	0.150	0.120	500
FMBD201209-800NA	80	0.150	0.120	500
FMBD201209-900NA	90	0.150	0.120	500
FMBD201209-101NA	100	0.250	0.200	300
FMBD201209-121NA	120	0.250	0.200	300
FMBD201209-151NA	150	0.250	0.200	300
FMBD201209-201NA	200	0.300	0.240	300
FMBD201209-221NA	220	0.300	0.240	300
FMBD201209-301NA	300	0.300	0.240	300
FMBD201209-331NA	330	0.300	0.240	300
FMBD201209-401NA	400	0.300	0.240	300
FMBD201209-451NA	450	0.400	0.320	300
FMBD201209-471NA	470	0.400	0.320	300
FMBD201209-501NA	500	0.400	0.320	300
FMBD201209-601NA	600	0.400	0.320	300
FMBD201209-751NA	750	0.500	0.400	200
FMBD201209-102NA	1000	0.500	0.400	200
FMBD201209-122NA	1200	0.600	0.480	200
FMBD201209-152NA	1500	0.600	0.480	200
FMBD201209-202NA	2000	0.600	0.480	200
FMBD201209-222NA	2200	0.600	0.480	200
FMBD201209-252NA	2500	0.700	0.560	200
FMBD201209-272NA	2700	0.700	0.560	200

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- Normal

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD321609-070A	7 (tolerance: 0~11Ω)	0.100	0.080	1000
FMBD321609-090A	9 (tolerance: 5~13Ω)	0.100	0.080	1000
FMBD321609-110A	11 (tolerance: 7~15Ω)	0.100	0.080	1000
FMBD321609-150A	15 (tolerance: 9~21Ω)	0.100	0.080	1000
FMBD321609-190A	19 (tolerance: 12~25Ω)	0.100	0.080	1000
FMBD321609-260NA	26	0.100	0.080	1000
FMBD321609-310NA	31	0.100	0.080	1000
FMBD321609-600NA	60	0.150	0.120	1000
FMBD321609-700NA	70	0.150	0.120	1000
FMBD321609-800NA	80	0.150	0.120	1000
FMBD321609-101NA	100	0.150	0.120	1000
FMBD321609-121NA	120	0.150	0.120	1000
FMBD321609-151NA	150	0.200	0.160	800
FMBD321609-181NA	180	0.200	0.160	800
FMBD321609-221NA	220	0.200	0.160	800
FMBD321609-301NA	300	0.200	0.160	800
FMBD321609-501NA	500	0.300	0.240	600
FMBD321609-601NA	600	0.300	0.240	600
FMBD321609-801NA	800	0.350	0.280	400
FMBD321609-102NA	1000	0.350	0.280	400
FMBD321609-122NA	1200	0.600	0.480	100
FMBD321609-152NA	1500	0.800	0.640	100
FMBD321609-182NA	1800	0.900	0.720	80
FMBD321609-202NA	2000	1.000	0.800	50
FMBD321609-252NA	2500	1.200	0.960	50
FMBD321609-302NA	3000	1.500	1.200	30
FMBD321611-110A	11 (tolerance: 7~15Ω)	0.050	0.040	600
FMBD321611-190A	19 (tolerance: 12~25Ω)	0.050	0.040	600
FMBD321611-260NA	26	0.050	0.040	600
FMBD321611-300NA	30	0.050	0.040	600
FMBD321611-310NA	31	0.050	0.040	600
FMBD321611-320NA	32	0.050	0.040	600
FMBD321611-470NA	47	0.100	0.080	500
FMBD321611-500NA	50	0.100	0.080	500
FMBD321611-600NA	60	0.100	0.080	500
FMBD321611-700NA	70	0.100	0.080	500
FMBD321611-800NA	80	0.150	0.120	500
FMBD321611-900NA	90	0.150	0.120	500
FMBD321611-101NA	100	0.150	0.120	500
FMBD321611-121NA	120	0.150	0.120	500
FMBD321611-151NA	150	0.150	0.120	500
FMBD321611-201NA	200	0.200	0.160	400
FMBD321611-221NA	220	0.200	0.160	400
FMBD321611-301NA	300	0.200	0.160	400
FMBD321611-401NA	400	0.200	0.160	400
FMBD321611-471NA	470	0.200	0.160	400
FMBD321611-501NA	500	0.200	0.160	400
FMBD321611-601NA	600	0.300	0.240	400
FMBD321611-102NA	1000 @50MHz	0.400	0.320	200
FMBD321611-122NA	1200 @50MHz	0.400	0.320	200
FMBD321611-152NA	1500 @50MHz	0.450	0.360	200
FMBD321611-202NA	2000 @50MHz	0.600	0.480	200
FMBD321611-272NA	2700 @50MHz	0.600	0.480	200

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- Normal

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD322513-100A	10 (tolerance: 7~15Ω)	0.100	0.080	1000
FMBD322513-110A	11 (tolerance: 7~15Ω)	0.100	0.080	1000
FMBD322513-190A	19 (tolerance: 12~25Ω)	0.100	0.080	1000
FMBD322513-260NA	26	0.100	0.080	1000
FMBD322513-310NA	31	0.100	0.080	1000
FMBD322513-600NA	60	0.150	0.120	1000
FMBD322513-700NA	70	0.200	0.160	1000
FMBD322513-800NA	80	0.200	0.160	400
FMBD322513-900NA	90	0.200	0.160	400
FMBD322513-101NA	100	0.200	0.160	400
FMBD322513-121NA	120	0.200	0.160	400
FMBD322513-151NA	150	0.300	0.240	400
FMBD322513-221NA	220	0.400	0.320	400
FMBD322513-301NA	300	0.400	0.320	400
FMBD322513-501NA	500	0.400	0.320	300
FMBD322513-601NA	600	0.400	0.320	300
FMBD322513-801NA	800	0.400	0.320	300
FMBD322513-102NA	1000	0.400	0.320	300
FMBD451616-190A	19 (tolerance: 12~25Ω)	0.100	0.080	1000
FMBD451616-260NA	26	0.100	0.080	1000
FMBD451616-310NA	31	0.150	0.120	1000
FMBD451616-600NA	60	0.200	0.160	1000
FMBD451616-750NA	75	0.300	0.240	1000
FMBD451616-800NA	80	0.300	0.240	1000
FMBD451616-900NA	90	0.350	0.280	1000
FMBD451616-101NA	100	0.400	0.320	500
FMBD451616-121NA	120	0.400	0.320	500
FMBD451616-151NA	150	0.400	0.320	500
FMBD451616-221NA	220	0.450	0.360	500
FMBD451616-301NA	300	0.450	0.360	500
FMBD451616-501NA	500	0.500	0.400	200
FMBD451616-601NA	600	0.500	0.400	200
FMBD451616-801NA	800	0.550	0.440	200
FMBD453215-300NA	30	0.150	0.120	1000
FMBD453215-310NA	31	0.150	0.120	1000
FMBD453215-380NA	38	0.150	0.120	1000
FMBD453215-600NA	60	0.200	0.160	1000
FMBD453215-700NA	70	0.200	0.160	1000
FMBD453215-800NA	80	0.200	0.160	1000
FMBD453215-900NA	90	0.200	0.160	500
FMBD453215-101NA	100	0.200	0.160	500
FMBD453215-121NA	120	0.250	0.200	500
FMBD453215-151NA	150	0.250	0.200	500
FMBD453215-221NA	220	0.300	0.240	300
FMBD453215-301NA	300	0.300	0.240	300
FMBD453215-501NA	500	0.400	0.320	200
FMBD453215-601NA	600	0.400	0.320	200

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- High Current

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD100505-050H	5 (tolerance: 0~15Ω)	0.040	0.032	800
FMBD100505-070H	7 (tolerance: 0~11Ω)	0.040	0.032	800
FMBD100505-090H	9 (tolerance: 5~13Ω)	0.040	0.032	800
FMBD100505-110H	11 (tolerance: 7~15Ω)	0.040	0.032	800
FMBD100505-150H	15 (tolerance: 9~21Ω)	0.040	0.032	800
FMBD100505-190H	19 (tolerance: 12~25Ω)	0.060	0.048	700
FMBD100505-260NH	26	0.060	0.048	700
FMBD100505-310NH	31	0.080	0.064	700
FMBD100505-360NH	36	0.150	0.120	600
FMBD100505-500NH	50	0.150	0.120	600
FMBD100505-600NH	60	0.150	0.120	600
FMBD100505-700NH	70	0.200	0.160	450
FMBD100505-750NH	75	0.200	0.160	450
FMBD100505-800NH	80	0.200	0.160	450
FMBD100505-101NH	100	0.200	0.160	450
FMBD100505-121NH	120	0.250	0.200	450
FMBD100505-151NH	150	0.250	0.200	450
FMBD100505-181NH	180	0.400	0.320	300
FMBD100505-221NH	220	0.400	0.320	300
FMBD100505-301NH	300	0.500	0.400	300
FMBD100505-501NH	500	0.650	0.520	200
FMBD100505-601NH	600	0.700	0.560	200
FMBD100505-801NH	800	0.900	0.720	200
FMBD100505-102NH	1000	1.000	0.800	200
FMBD100505-122NH	1200	1.000	0.800	200
FMBD160808-050H	5 (tolerance: 0~15Ω)	0.080	0.064	1000
FMBD160808-070H	7 (tolerance: 0~11Ω)	0.080	0.064	1000
FMBD160808-090H	9 (tolerance: 5~13Ω)	0.080	0.064	1000
FMBD160808-110H	11 (tolerance: 7~15Ω)	0.080	0.064	1000
FMBD160808-150H	15 (tolerance: 9~21Ω)	0.080	0.064	1000
FMBD160808-190H	19 (tolerance: 12~25Ω)	0.080	0.064	1000
FMBD160808-260NH	26	0.080	0.064	1000
FMBD160808-300NH	30	0.080	0.064	1000
FMBD160808-310NH	31	0.080	0.064	1000
FMBD160808-500NH	50	0.120	0.096	1000
FMBD160808-600NH	60	0.120	0.096	1000
FMBD160808-700NH	70	0.150	0.120	1000
FMBD160808-800NH	80	0.150	0.120	1000
FMBD160808-101NH	100	0.150	0.120	1000
FMBD160808-121NH	120	0.150	0.120	1000
FMBD160808-151NH	150	0.200	0.160	1000
FMBD160808-181NH	180	0.200	0.160	1000
FMBD160808-221NH	220	0.200	0.160	1000
FMBD160808-301NH	300	0.250	0.200	1000
FMBD160808-501NH	500	0.300	0.240	1000
FMBD160808-601NH	600	0.300	0.240	1000
FMBD160808-801NH	800	0.550	0.440	500
FMBD160808-102NH	1000	0.550	0.440	500
FMBD160808-122NH	1200	0.650	0.520	500
FMBD160808-152NH	1500	0.750	0.600	400
FMBD160808-182NH	1800	0.750	0.600	400
FMBD160808-202NH	2000	0.900	0.720	400
FMBD160808-252NH	2500	0.900	0.720	400

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- High Current

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD201209-050H	5 (tolerance: 0~15Ω)	0.030	0.024	3000
FMBD201209-070H	7 (tolerance: 0~11Ω)	0.030	0.024	3000
FMBD201209-090H	9 (tolerance: 5~13Ω)	0.030	0.024	3000
FMBD201209-110H	11 (tolerance: 7~15Ω)	0.030	0.024	3000
FMBD201209-150H	15 (tolerance: 9~21Ω)	0.030	0.024	3000
FMBD201209-190H	19 (tolerance: 12~25Ω)	0.030	0.024	3000
FMBD201209-300NH	30	0.050	0.040	3000
FMBD201209-310NH	31	0.050	0.040	3000
FMBD201209-360NH	36	0.060	0.048	3000
FMBD201209-600NH	60	0.060	0.048	3000
FMBD201209-700NH	70	0.080	0.064	2500
FMBD201209-800NH	80	0.080	0.064	2500
FMBD201209-101NH	100	0.100	0.080	2500
FMBD201209-121NH	120	0.100	0.080	2000
FMBD201209-151NH	150	0.100	0.080	2000
FMBD201209-181NH	180	0.150	0.120	2000
FMBD201209-201NH	200	0.150	0.120	2000
FMBD201209-221NH	220	0.150	0.120	2000
FMBD201209-301NH	300	0.200	0.160	2000
FMBD201209-501NH	500	0.250	0.200	1500
FMBD201209-601NH	600	0.250	0.200	1500
FMBD201209-801NH	800	0.300	0.240	800
FMBD201209-102NH	1000	0.300	0.240	800
FMBD201209-122NH	1200	0.450	0.360	500
FMBD201209-152NH	1500	0.500	0.400	300
FMBD201209-202NH	2000	0.500	0.400	300
FMBD201209-222NH	2200	0.600	0.480	100
FMBD201209-252NH	2500	0.600	0.480	100
FMBD321609-050H	5 (tolerance: 0~15Ω)	0.040	0.032	4000
FMBD321609-070H	7 (tolerance: 0~11Ω)	0.040	0.032	4000
FMBD321609-090H	9 (tolerance: 5~13Ω)	0.050	0.040	4000
FMBD321609-110H	11 (tolerance: 7~15Ω)	0.050	0.040	4000
FMBD321609-150H	15 (tolerance: 9~21Ω)	0.050	0.040	3000
FMBD321609-190H	19 (tolerance: 12~25Ω)	0.050	0.040	3000
FMBD321609-260NH	26	0.050	0.040	3000
FMBD321609-280NH	28	0.070	0.056	3000
FMBD321609-300NH	30	0.070	0.056	3000
FMBD321609-310NH	31	0.070	0.056	3000
FMBD321609-500NH	50	0.070	0.056	3000
FMBD321609-600NH	60	0.070	0.056	3000
FMBD321609-700NH	70	0.070	0.056	3000
FMBD321609-800NH	80	0.070	0.056	3000
FMBD321609-101NH	100	0.070	0.056	3000
FMBD321609-121NH	120	0.070	0.056	3000
FMBD321609-151NH	150	0.120	0.096	2500
FMBD321609-181NH	180	0.120	0.096	2500
FMBD321609-221NH	220	0.120	0.096	2500
FMBD321609-301NH	300	0.150	0.120	2000
FMBD321609-501NH	500	0.200	0.160	2000
FMBD321609-601NH	600	0.200	0.160	2000
FMBD321609-801NH	800	0.250	0.200	2000
FMBD321609-102NH	1000	0.250	0.200	2000
FMBD321609-122NH	1200	0.350	0.280	1000
FMBD321609-152NH	1500	0.450	0.360	500
FMBD321609-182NH	1800	0.600	0.480	500
FMBD321609-202NH	2000	0.700	0.560	300
FMBD321609-252NH	2500	0.900	0.720	200
FMBD321609-302NH	3000	0.900	0.720	200

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- High Current

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD321611-190NH	19	0.030	0.024	3000
FMBD321611-310NH	31	0.030	0.024	3000
FMBD321611-520NH	52	0.030	0.024	3000
FMBD321611-700NH	70	0.040	0.032	3000
FMBD321611-101NH	100	0.040	0.032	3000
FMBD321611-151NH	150	0.050	0.040	3000
FMBD321611-301NH	300	0.060	0.048	3000
FMBD321611-501NH	500	0.070	0.056	2500
FMBD321611-601NH	600	0.080	0.064	2000
FMBD321611-102NH	1000	0.300	0.240	1000
FMBD322513-110H	11 (tolerance: 7~15Ω)	0.050	0.040	5000
FMBD322513-190H	19 (tolerance: 12~25Ω)	0.050	0.040	5000
FMBD322513-260NH	26	0.050	0.040	5000
FMBD322513-310NH	31	0.050	0.040	5000
FMBD322513-600NH	60	0.060	0.048	4000
FMBD322513-700NH	70	0.080	0.064	4000
FMBD322513-800NH	80	0.080	0.064	3000
FMBD322513-900NH	90	0.080	0.064	3000
FMBD322513-121NH	120	0.100	0.080	3000
FMBD322513-151NH	150	0.100	0.080	3000
FMBD322513-221NH	220	0.150	0.120	3000
FMBD322513-301NH	300	0.150	0.120	3000
FMBD322513-501NH	500	0.150	0.120	2000
FMBD322513-601NH	600	0.200	0.160	2000
FMBD322513-801NH	800	0.250	0.200	2000
FMBD322513-102NH	1000	0.300	0.240	2000
FMBD451616-190H	19 (tolerance: 12~25Ω)	0.015	0.012	6000
FMBD451616-260NH	26	0.050	0.040	3000
FMBD451616-310NH	31	0.050	0.040	3000
FMBD451616-600NH	60	0.060	0.048	3000
FMBD451616-750NH	75	0.060	0.048	3000
FMBD451616-800NH	80	0.080	0.064	3000
FMBD451616-900NH	90	0.100	0.080	3000
FMBD451616-121NH	120	0.100	0.080	3000
FMBD451616-151NH	150	0.100	0.080	3000
FMBD451616-221NH	220	0.150	0.120	2000
FMBD451616-301NH	300	0.200	0.160	2000
FMBD451616-501NH	500	0.250	0.200	1000
FMBD451616-601NH	600	0.300	0.240	1000

* Z-value tolerance: M=±20%, N=±25%

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Gain Your Favor Shenzhen GYF Technology Co.,Ltd.

Electrical Characteristics- Super Current

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD100505-050S	5 (tolerance: 0~15Ω)	0.050	0.040	1800
FMBD100505-070S	7 (tolerance: 0~11Ω)	0.050	0.040	1800
FMBD100505-090S	9 (tolerance: 5~13Ω)	0.050	0.040	1800
FMBD100505-110S	11 (tolerance: 7~15Ω)	0.050	0.040	1800
FMBD100505-150S	15 (tolerance: 9~21Ω)	0.050	0.040	1800
FMBD100505-190S	19 (tolerance: 12~25Ω)	0.060	0.048	1300
FMBD100505-300NS	30	0.080	0.064	1000
FMBD100505-600NS	60	0.100	0.080	800
FMBD100505-700NS	70	0.150	0.120	800
FMBD100505-800NS	80	0.150	0.120	800
FMBD100505-101NS	100	0.150	0.120	800
FMBD100505-121NS	120	0.150	0.120	800
FMBD100505-151NS	150	0.200	0.160	700
FMBD100505-201NS	200	0.250	0.200	700
FMBD100505-221NS	220	0.300	0.240	600
FMBD100505-301NS	300	0.300	0.240	600
FMBD100505-501NS	500	0.400	0.320	500
FMBD100505-601NS	600	0.500	0.400	500
FMBD100505-801NS	800	0.650	0.520	300
FMBD100505-102NS	1000	0.650	0.520	300
FMBD160808-050S	5 (tolerance: 0~15Ω)	0.020	0.016	6000
FMBD160808-070S	7 (tolerance: 0~11Ω)	0.020	0.016	6000
FMBD160808-090S	9 (tolerance: 5~13Ω)	0.020	0.016	6000
FMBD160808-110S	11 (tolerance: 7~15Ω)	0.030	0.024	5000
FMBD160808-150S	15 (tolerance: 9~21Ω)	0.030	0.024	5000
FMBD160808-190S	19 (tolerance: 12~25Ω)	0.030	0.024	5000
FMBD160808-300NS	30	0.030	0.024	4000
FMBD160808-500NS	50	0.040	0.032	3000
FMBD160808-600NS	60	0.040	0.032	3000
FMBD160808-700NS	70	0.060	0.048	2500
FMBD160808-800NS	80	0.060	0.048	2500
FMBD160808-101NS	100	0.060	0.048	2500
FMBD160808-121NS	120	0.065	0.052	2000
FMBD160808-151NS	150	0.090	0.072	1500
FMBD160808-181NS	180	0.090	0.072	1500
FMBD160808-221NS	220	0.120	0.096	1500
FMBD160808-301NS	300	0.180	0.144	1500
FMBD160808-501NS	500	0.180	0.144	1200
FMBD160808-601NS	600	0.180	0.144	1200
FMBD160808-801NS	800	0.300	0.240	700
FMBD160808-102NS	1000	0.400	0.320	600

* Z-value tolerance: M=±20%, N=±25%

Electrical Characteristics- Super Current

Part Number	Z - value (ohm) @100MHz	DCR (ohm)		Rated Current (mA) max.
		max.	typ.	
FMBD201209-050S	5 (tolerance: 0~15Ω)	0.010	0.008	6000
FMBD201209-070S	7 (tolerance: 0~11Ω)	0.010	0.008	6000
FMBD201209-090S	9 (tolerance: 5~13Ω)	0.010	0.008	6000
FMBD201209-110S	11 (tolerance: 7~15Ω)	0.010	0.008	6000
FMBD201209-150S	15 (tolerance: 9~21Ω)	0.010	0.008	6000
FMBD201209-190S	19 (tolerance: 12~25Ω)	0.010	0.008	6000
FMBD201209-300NS	30	0.010	0.008	6000
FMBD201209-310NS	31	0.010	0.008	6000
FMBD201209-500NS	50	0.040	0.032	3500
FMBD201209-600NS	60	0.040	0.032	3500
FMBD201209-700NS	70	0.040	0.032	3000
FMBD201209-800NS	80	0.040	0.032	3000
FMBD201209-101NS	100	0.050	0.040	3000
FMBD201209-121NS	120	0.050	0.040	3000
FMBD201209-151NS	150	0.080	0.064	2500
FMBD201209-181NS	180	0.080	0.064	2500
FMBD201209-221NS	220	0.080	0.064	2500
FMBD201209-301NS	300	0.080	0.064	2500
FMBD201209-501NS	500	0.100	0.080	2000
FMBD201209-601NS	600	0.100	0.080	2000
FMBD201209-102NS	1000	0.120	0.096	1500
FMBD321609-050S	5 (tolerance: 0~15Ω)	0.010	0.008	6000
FMBD321609-070S	7 (tolerance: 0~11Ω)	0.010	0.008	6000
FMBD321609-090S	9 (tolerance: 5~13Ω)	0.015	0.012	6000
FMBD321609-110S	11 (tolerance: 7~15Ω)	0.015	0.012	6000
FMBD321609-150S	15 (tolerance: 9~21Ω)	0.015	0.012	6000
FMBD321609-190S	19 (tolerance: 12~25Ω)	0.015	0.012	6000
FMBD321609-260NS	26	0.015	0.012	6000
FMBD321609-280NS	28	0.015	0.012	6000
FMBD321609-300NS	30	0.015	0.012	6000
FMBD321609-310NS	31	0.025	0.020	4000
FMBD321609-500NS	50	0.025	0.020	4000
FMBD321609-600NS	60	0.025	0.020	4000
FMBD321609-700NS	70	0.035	0.028	4000
FMBD321609-800NS	80	0.035	0.028	4000
FMBD321609-101NS	100	0.035	0.028	4000
FMBD321609-121NS	120	0.035	0.028	4000
FMBD321609-151NS	150	0.045	0.036	3000
FMBD321609-181NS	180	0.055	0.044	3000
FMBD321609-221NS	220	0.055	0.044	3000
FMBD321609-301NS	300	0.065	0.052	2500
FMBD321609-501NS	500	0.085	0.068	2500
FMBD321609-601NS	600	0.100	0.080	2000
FMBD321609-801NS	800	0.110	0.088	2000
FMBD321609-102NS	1000	0.120	0.096	2000

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