

SCNB Series



Features

Under the same size, the multilayer chip beads produce higher impedance than plug-in beads. These SCNB series have substantial EMI/RFI suppression by simply mounting them onto PCB Suitable EIA standard in shape and dimension of chip beads; Can be mounted automatically by SMT equipments.

Applications

Redialed noise suppression on digital product clock lines signal lines and suppression noise on circuit.

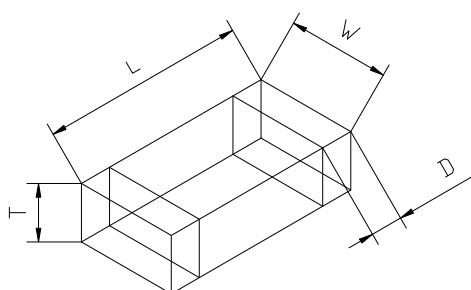
Product Identification

SCNBXXXXXTL - XXX
For example: SCNB100505TL-601

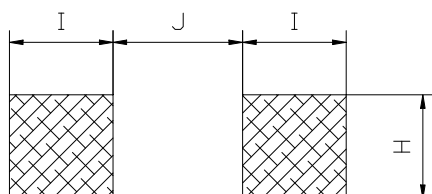
General Specifications

Test frequency..... 100MHz
Test Voltage.....50mV
Parameters Test Temp..... 25°C
Operation Temp.....-55°C to +125°C
(Including temperature Rise)
Storage Temp.....0~40°C
Storage Humidity.....<70% RH
Resistance to Soldering Heat.....260°C for 10 sec
Rated Current.....40°C typ. at Irms

Shape And Dimensions



PAD Layout



Dimensions In mm(inch)

TYPE	L	W	T	D	H	I	J
					Ref	Ref	Ref
100505 (0402)	1.00±0.15 (0.040±0.006)	0.50±0.15 (0.020±0.006)	0.50±0.15 (0.020±0.006)	0.25±0.10 (0.010±0.004)	0.40 (0.016)	0.50 (0.020)	0.40 (0.016)
160808 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.20 (0.031±0.008)	0.80±0.20 (0.031±0.008)	0.30±0.20 (0.012±0.008)	0.60 (0.024)	1.30 (0.051)	0.80 (0.031)
201209 (0805)	2.00±0.20 (0.079±0.008)	1.20±0.20 (0.047±0.008)	0.90±0.20 (0.035±0.008)	0.50±0.30 (0.020±0.012)	1.00 (0.040)	1.40 (0.055)	1.20 (0.047)
321609 (1206)	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	0.90±0.20 (0.035±0.008)	0.50±0.30 (0.020±0.012)	1.20 (0.047)	2.25 (0.089)	2.00 (0.079)
322513 (1210)	3.20±0.20 (0.126±0.008)	2.50±0.20 (0.098±0.008)	1.30±0.20 (0.051±0.008)	0.50±0.30 (0.020±0.012)	1.80 (0.071)	2.25 (0.089)	2.00 (0.079)
451616 (1806)	4.50±0.20 (0.178±0.008)	1.60±0.20 (0.063±0.008)	1.60±0.20 (0.063±0.008)	0.50±0.30 (0.020±0.012)	1.20 (0.047)	1.75 (0.069)	3.00 (0.118)
453215 (1812)	4.50±0.20 (0.178±0.008)	3.20±0.20 (0.126±0.008)	1.50±0.20 (0.060±0.008)	0.50±0.30 (0.020±0.012)	2.40 (0.095)	1.75 (0.069)	3.00 (0.118)

Standard Specifications

Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB100505TL-000	0	0~15Ω	0.10	100	50	300
SCNB100505TL-050	5	0~15Ω	0.10	100	50	300
SCNB100505TL-070	7	0~11Ω	0.10	100	50	300
SCNB100505TL-090	9	5~13Ω	0.10	100	50	300
SCNB100505TL-110	11	7~15Ω	0.10	100	50	300
SCNB100505TL-150	15	9~21Ω	0.10	100	50	300
SCNB100505TL-190	19	12~25Ω	0.10	100	50	300
SCNB100505TL-260	26	±25%	0.15	100	50	300
SCNB100505TL-310	31	±25%	0.20	100	50	300
SCNB100505TL-360	36	±25%	0.20	100	50	300
SCNB100505TL-600	60	±25%	0.35	100	50	200
SCNB100505TL-800	80	±25%	0.40	100	50	200
SCNB100505TL-101	100	±25%	0.50	100	50	150
SCNB100505TL-121	120	±25%	0.50	100	50	150
SCNB100505TL-151	150	±25%	0.55	100	50	150
SCNB100505TL-181	180	±25%	0.60	100	50	150
SCNB100505TL-201	200	±25%	0.70	100	50	100
SCNB100505TL-221	220	±25%	0.70	100	50	100
SCNB100505TL-301	300	±25%	0.80	100	50	100
SCNB100505TL-501	500	±25%	1.10	100	50	100
SCNB100505TL-601	600	±25%	1.30	100	50	100
SCNB100505TL-801	800	±25%	1.40	100	50	50
SCNB100505TL-102	1000	±25%	1.60	100	50	25
SCNB100505TL-122	1200	±25%	1.80	100	50	25

Standard Specifications

Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB160808TL-000	0	0~15Ω	0.10	100	50	800
SCNB160808TL-050	5	0~15Ω	0.10	100	50	800
SCNB160808TL-070	7	0~11Ω	0.10	100	50	800
SCNB160808TL-090	9	5~13Ω	0.10	100	50	800
SCNB160808TL-110	11	7~15Ω	0.10	100	50	800
SCNB160808TL-150	15	9~21Ω	0.10	100	50	800
SCNB160808TL-190	19	12~25Ω	0.10	100	50	800
SCNB160808TL-260	26	±25%	0.10	100	50	500
SCNB160808TL-310	31	±25%	0.10	100	50	500
SCNB160808TL-600	60	±25%	0.20	100	50	300
SCNB160808TL-700	70	±25%	0.20	100	50	300
SCNB160808TL-800	80	±25%	0.20	100	50	300
SCNB160808TL-101	100	±25%	0.30	100	50	200
SCNB160808TL-121	120	±25%	0.30	100	50	200
SCNB160808TL-151	150	±25%	0.35	100	50	200
SCNB160808TL-181	180	±25%	0.45	100	50	200
SCNB160808TL-221	220	±25%	0.45	100	50	200
SCNB160808TL-301	300	±25%	0.50	100	50	150
SCNB160808TL-501	500	±25%	0.60	100	50	150
SCNB160808TL-601	600	±25%	0.60	100	50	100
SCNB160808TL-801	800	±25%	0.70	100	50	100
SCNB160808TL-102	1000	±25%	0.80	100	50	100
SCNB160808TL-122	1200	±25%	0.85	100	50	100
SCNB160808TL-152	1500	±25%	0.85	100	50	50
SCNB160808TL-182	1800	±25%	1.10	100	50	50
SCNB160808TL-202	2000	±25%	1.10	100	50	50
SCNB160808TL-222	2200	±25%	1.20	100	50	50
SCNB160808TL-252	2500	±25%	1.30	100	50	50

Standard Specifications

Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB201209TL-000	0	0~15Ω	0.08	100	50	900
SCNB201209TL-050	5	0~15Ω	0.08	100	50	900
SCNB201209TL-070	7	0~11Ω	0.08	100	50	900
SCNB201209TL-090	9	5~13Ω	0.10	100	50	900
SCNB201209TL-110	11	7~15Ω	0.10	100	50	900
SCNB201209TL-150	15	9~21Ω	0.10	100	50	900
SCNB201209TL-190	19	12~25Ω	0.10	100	50	900
SCNB201209TL-260	26	±25%	0.10	100	50	900
SCNB201209TL-310	31	±25%	0.10	100	50	900
SCNB201209TL-360	36	±25%	0.10	100	50	900
SCNB201209TL-500	50	±25%	0.15	100	50	900
SCNB201209TL-600	60	±25%	0.15	100	50	900
SCNB201209TL-700	70	±25%	0.18	100	50	500
SCNB201209TL-800	80	±25%	0.18	100	50	500
SCNB201209TL-101	100	±25%	0.18	100	50	400
SCNB201209TL-121	120	±25%	0.20	100	50	400
SCNB201209TL-151	150	±25%	0.20	100	50	400
SCNB201209TL-181	180	±25%	0.20	100	50	300
SCNB201209TL-221	220	±25%	0.20	100	50	300
SCNB201209TL-301	300	±25%	0.25	100	50	300
SCNB201209TL-501	500	±25%	0.35	100	50	300
SCNB201209TL-601	600	±25%	0.35	100	50	300
SCNB201209TL-801	800	±25%	0.40	100	50	200
SCNB201209TL-102	1000	±25%	0.40	100	50	200
SCNB201209TL-122	1200	±25%	0.60	100	50	100
SCNB201209TL-152	1500	±25%	0.70	100	50	100
SCNB201209TL-182	1800	±25%	0.90	100	50	50
SCNB201209TL-202	2000	±25%	0.90	100	50	50
SCNB201209TL-202	2200	±25%	1.00	100	50	50
SCNB201209TL-252	2500	±25%	1.20	50	50	50
SCNB201209TL-272	2700	±25%	1.40	50	50	30

Standard Specifications

Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB321609TL-000	0	0~15Ω	0.10	100	50	1000
SCNB321609TL-050	5	0~15Ω	0.10	100	50	1000
SCNB321609TL-070	7	0~11Ω	0.10	100	50	1000
SCNB321609TL-090	9	5~13Ω	0.10	100	50	1000
SCNB321609TL-110	11	7~15Ω	0.10	100	50	1000
SCNB321609TL-150	15	9~21Ω	0.10	100	50	1000
SCNB321609TL-190	19	12~25Ω	0.10	100	50	1000
SCNB321609TL-260	26	±25%	0.10	100	50	1000
SCNB321609TL-310	31	±25%	0.10	100	50	1000
SCNB321609TL-600	60	±25%	0.15	100	50	1000
SCNB321609TL-700	70	±25%	0.15	100	50	1000
SCNB321609TL-800	80	±25%	0.15	100	50	1000
SCNB321609TL-101	100	±25%	0.15	100	50	1000
SCNB321609TL-121	120	±25%	0.25	100	50	1000
SCNB321609TL-151	150	±25%	0.30	100	50	400
SCNB321609TL-181	180	±25%	0.30	100	50	400
SCNB321609TL-221	220	±25%	0.35	100	50	400
SCNB321609TL-301	300	±25%	0.40	100	50	400
SCNB321609TL-501	500	±25%	0.45	100	50	300
SCNB321609TL-601	600	±25%	0.45	100	50	300
SCNB321609TL-801	800	±25%	0.55	100	50	300
SCNB321609TL-102	1000	±25%	0.55	100	50	300
SCNB321609TL-122	1200	±25%	0.60	100	50	100
SCNB321609TL-152	1500	±25%	0.80	50	50	100
SCNB321609TL-182	1800	±25%	0.90	50	50	80
SCNB321609TL-202	2000	±25%	1.00	50	50	50
SCNB321609TL-252	2500	±25%	1.20	50	50	50
SCNB321609TL-302	3000	±25%	1.50	50	50	50

Standard Specifications

Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB322513TL-100	10	7~15Ω	0.10	100	50	1000
SCNB322513TL-110	11	7~15Ω	0.10	100	50	1000
SCNB322513TL-190	19	12~25Ω	0.10	100	50	1000
SCNB322513TL-260	26	±25%	0.10	100	50	1000
SCNB322513TL-310	31	±25%	0.10	100	50	1000
SCNB322513TL-600	60	±25%	0.15	100	50	1000
SCNB322513TL-700	70	±25%	0.20	100	50	1000
SCNB322513TL-800	80	±25%	0.20	100	50	400
SCNB322513TL-900	90	±25%	0.20	100	50	400
SCNB322513TL-101	100	±25%	0.20	100	50	400
SCNB322513TL-121	120	±25%	0.20	100	50	400
SCNB322513TL-151	150	±25%	0.30	100	50	400
SCNB322513TL-181	180	±25%	0.40	100	50	400
SCNB322513TL-221	220	±25%	0.40	100	50	400
SCNB322513TL-301	300	±25%	0.40	100	50	400
SCNB322513TL-501	500	±25%	0.40	100	50	300
SCNB322513TL-601	600	±25%	0.40	100	50	300
SCNB322513TL-801	800	±25%	0.40	100	50	300
SCNB322513TL-102	1000	±25%	0.40	100	50	300

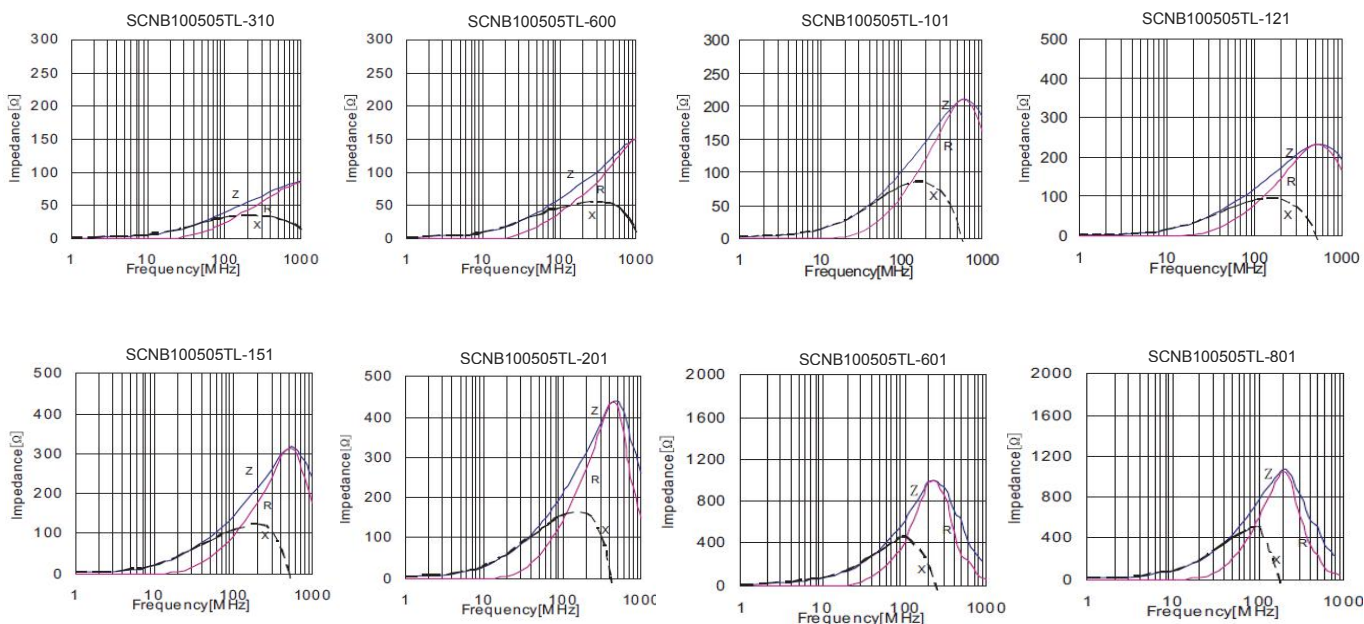
Standard Specifications

Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB451616TL-190	19	12~25Ω	0.10	100	50	1000
SCNB451616TL-260	26	±25%	0.10	100	50	1000
SCNB451616TL-310	31	±25%	0.15	100	50	1000
SCNB451616TL-600	60	±25%	0.20	100	50	1000
SCNB451616TL-700	70	±25%	0.25	100	50	1000
SCNB451616TL-750	75	±25%	0.30	100	50	1000
SCNB451616TL-800	80	±25%	0.30	100	50	1000
SCNB451616TL-900	90	±25%	0.35	100	50	1000
SCNB451616TL-101	100	±25%	0.45	100	50	500
SCNB451616TL-121	120	±25%	0.40	100	50	500
SCNB451616TL-151	150	±25%	0.40	100	50	500
SCNB451616TL-221	220	±25%	0.45	100	50	500
SCNB451616TL-301	300	±25%	0.45	100	50	500
SCNB451616TL-501	500	±25%	0.50	100	50	200
SCNB451616TL-601	600	±25%	0.50	100	50	200
SCNB451616TL-801	800	±25%	0.55	100	50	200

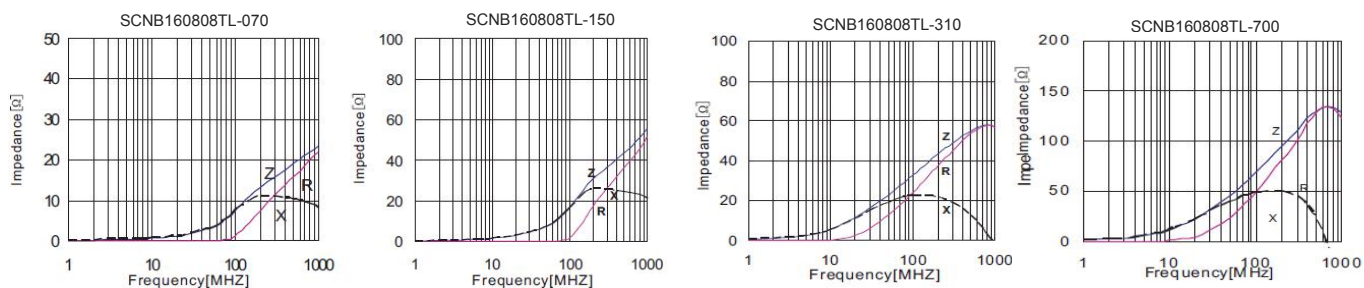
Standard Specifications

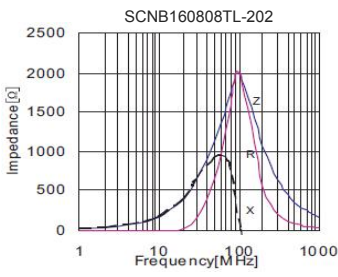
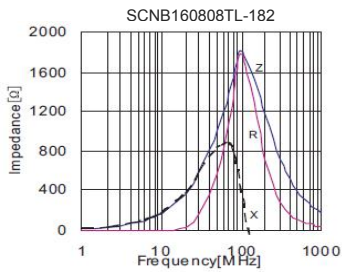
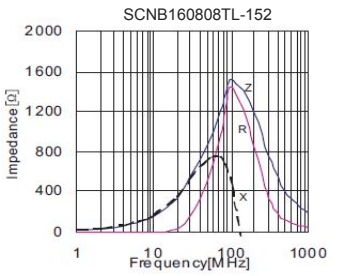
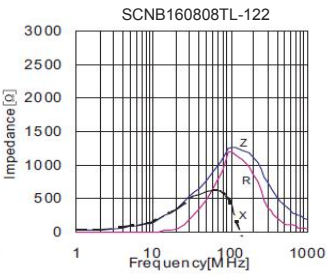
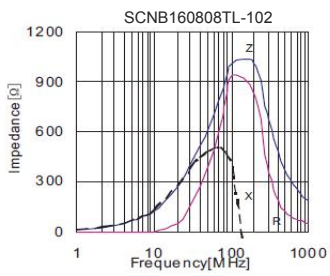
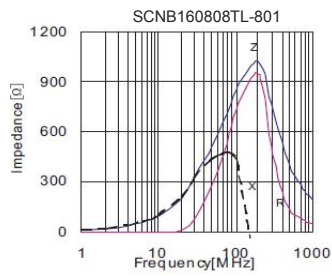
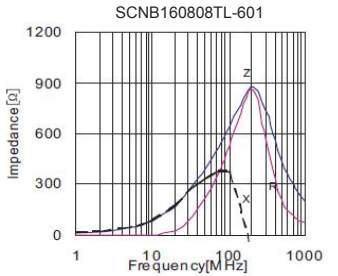
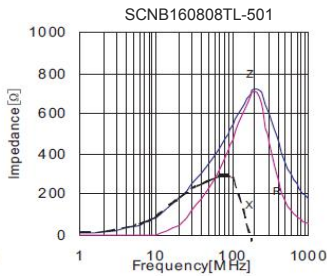
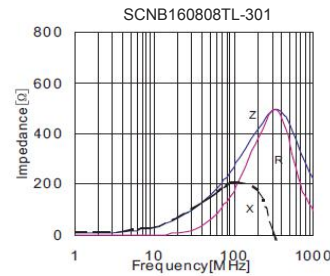
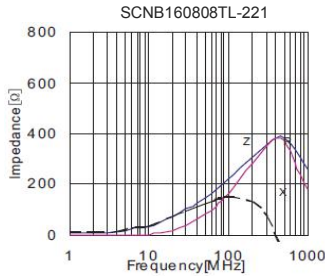
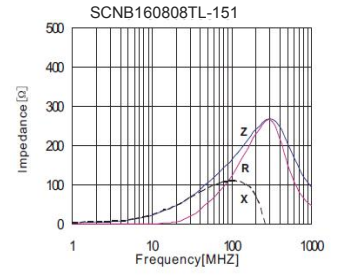
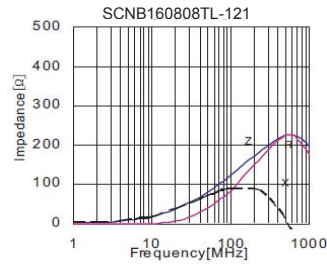
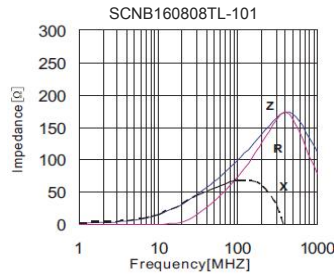
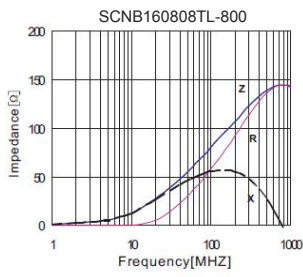
Stamp	Impedance (Ω)	Tolerance	DCR (Ω) Max	Test frequency (MHz)	Test voltage (mV)	Rated current (mA) Max
SCNB453215TL-190	19	12~25Ω	0.10	100	50	1000
SCNB453215TL-300	30	±25%	0.15	100	50	1000
SCNB453215TL-310	31	±25%	0.15	100	50	1000
SCNB453215TL-380	38	±25%	0.15	100	50	1000
SCNB453215TL-600	60	±25%	0.20	100	50	1000
SCNB453215TL-700	70	±25%	0.20	100	50	1000
SCNB453215TL-800	80	±25%	0.20	100	50	1000
SCNB453215TL-900	90	±25%	0.20	100	50	500
SCNB453215TL-101	100	±25%	0.20	100	50	500
SCNB453215TL-121	120	±25%	0.25	100	50	500
SCNB453215TL-151	150	±25%	0.25	100	50	500
SCNB453215TL-221	220	±25%	0.30	100	50	300
SCNB453215TL-301	300	±25%	0.30	100	50	300
SCNB453215TL-501	500	±25%	0.40	100	50	200
SCNB453215TL-601	600	±25%	0.40	100	50	200
SCNB453215TL-801	800	±25%	0.45	100	50	200
SCNB453215TL-102	1000	±25%	0.50	100	50	200

SCNB100505 Series

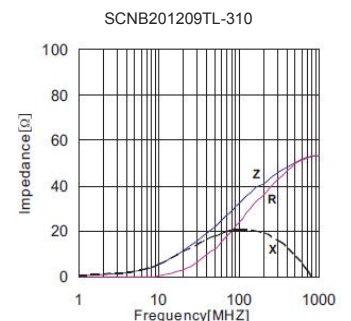
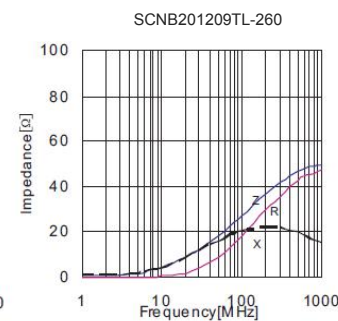
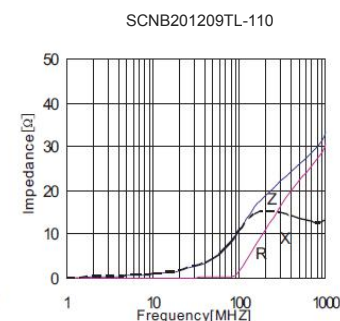
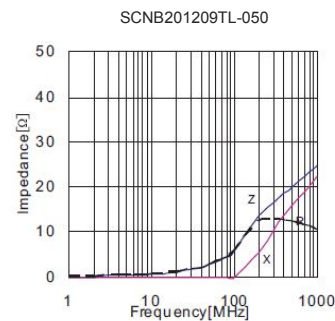


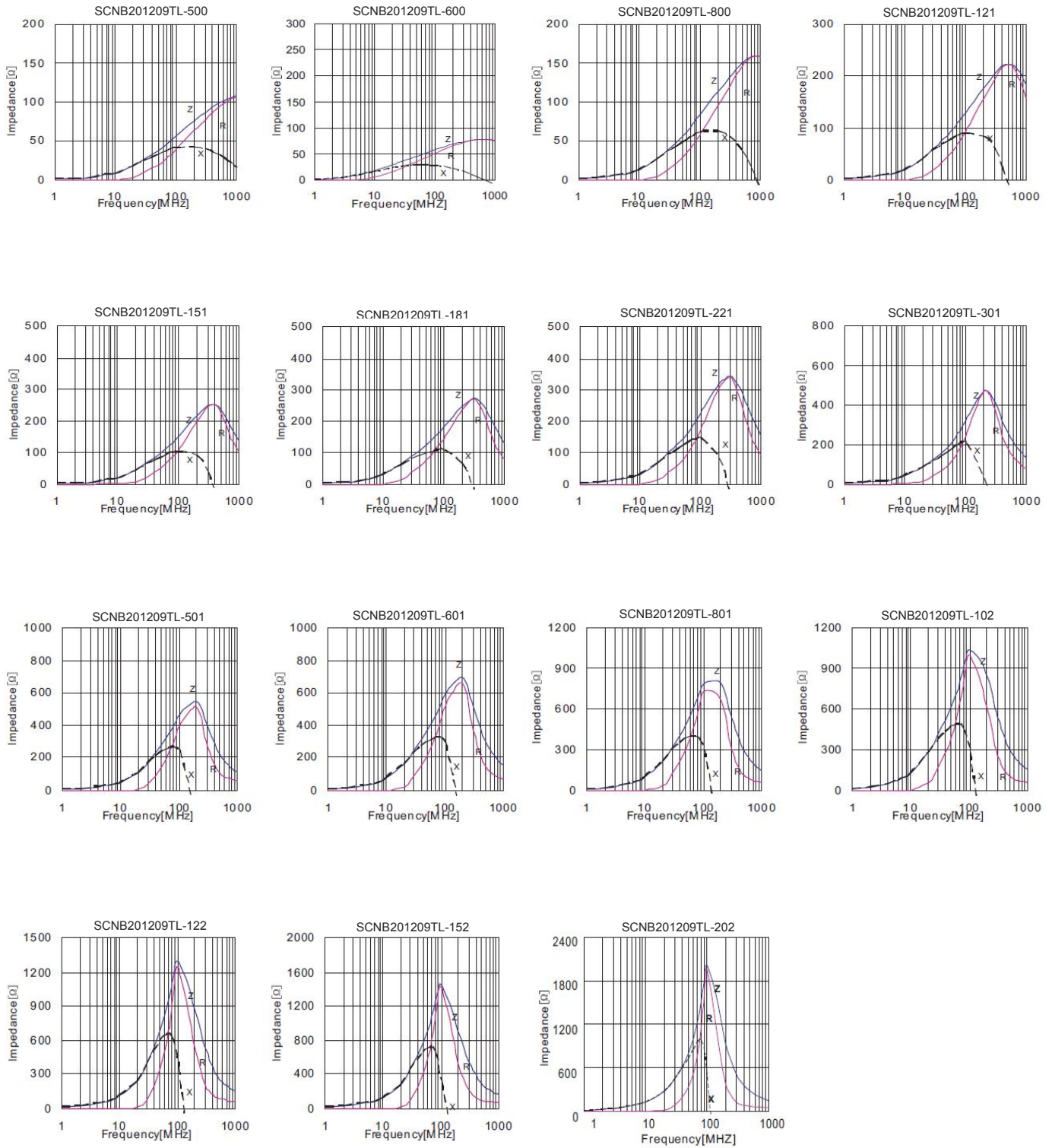
SCNB160808 Series



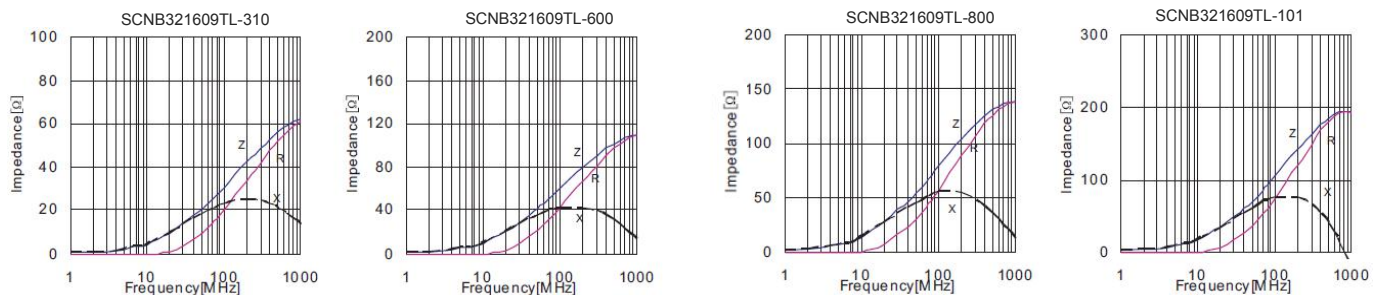


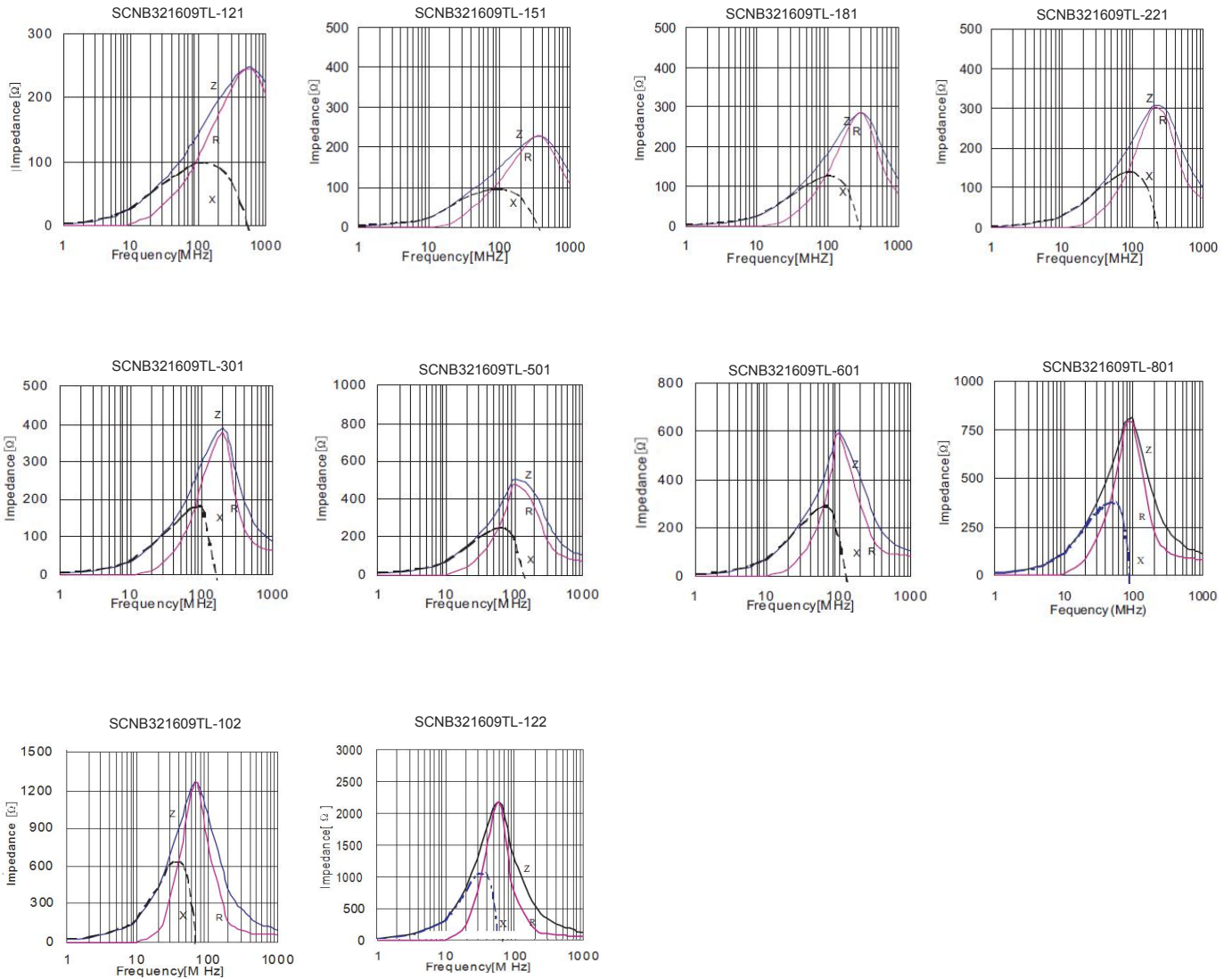
SCNB201209 Series



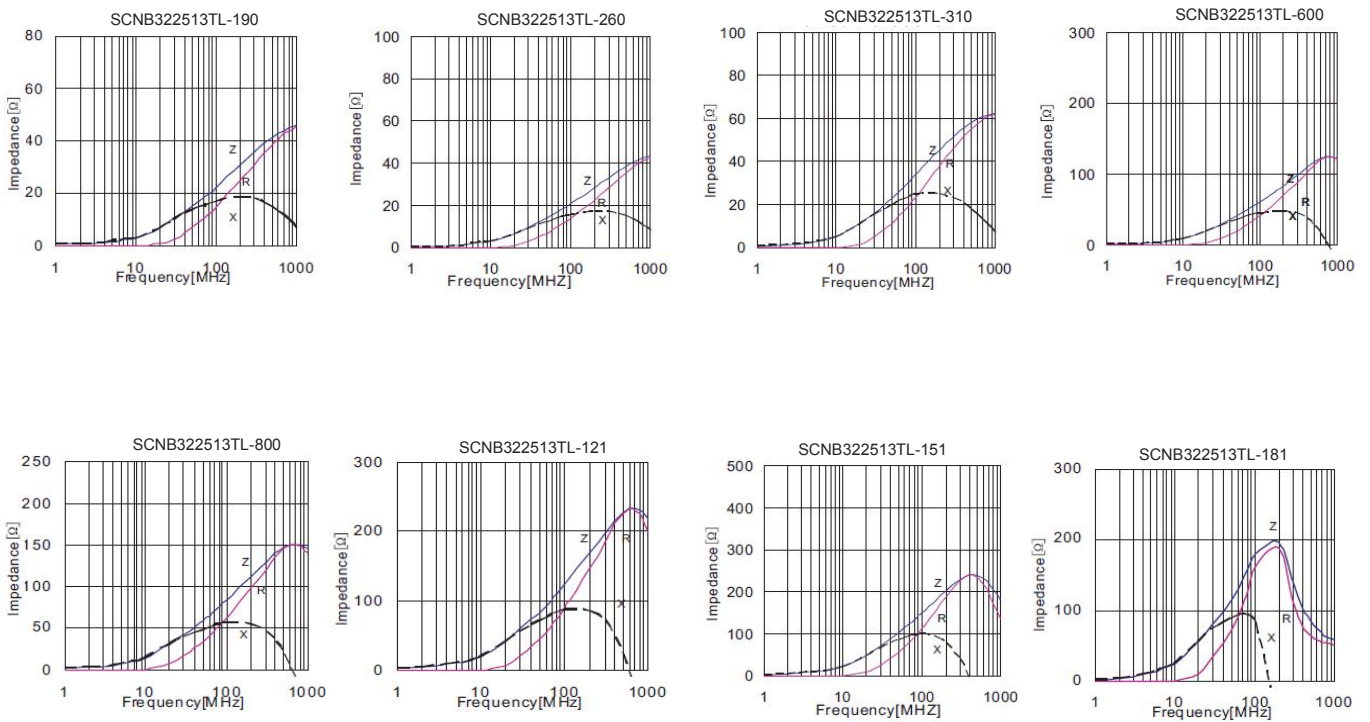


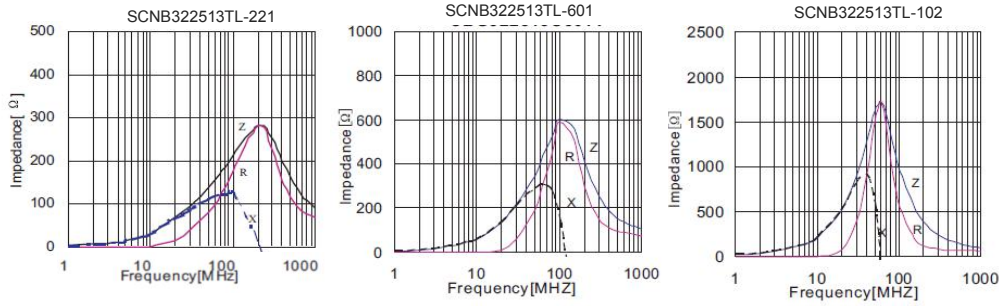
SCNB321609 Series



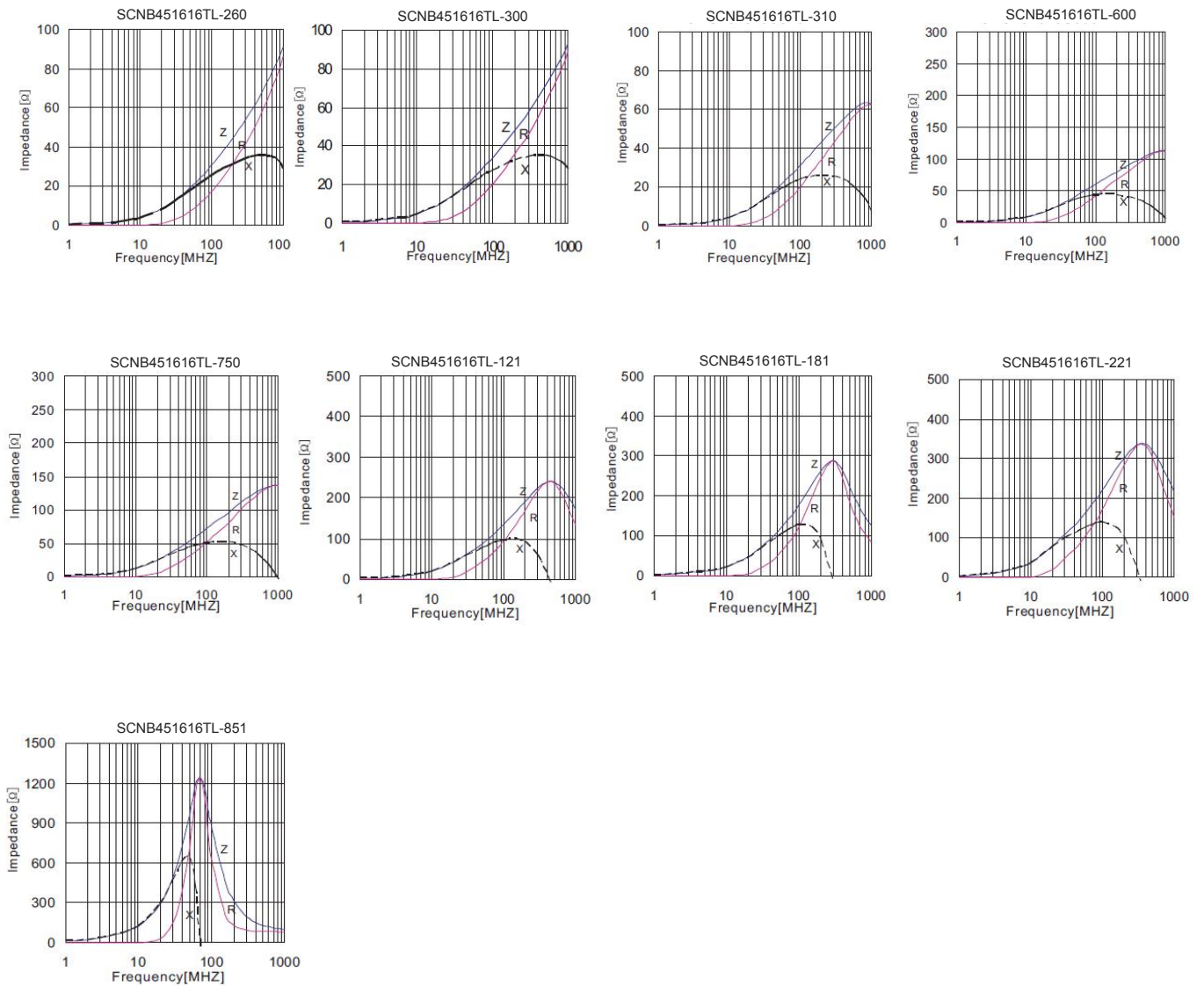


SCNB322513 Series





SCNB451616 Series



SCNB453215 Series

