

Innovative Service Around the Globe

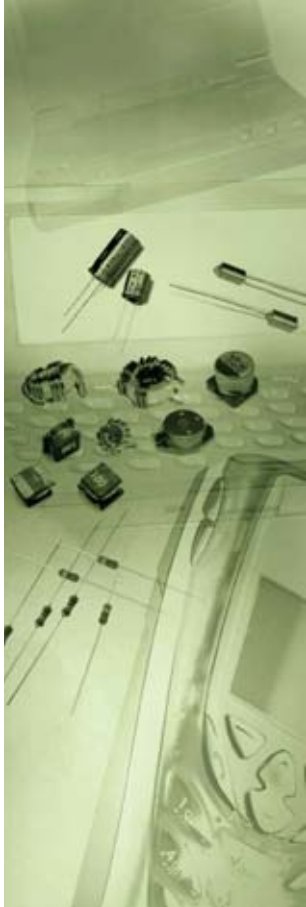
YAGEO

**Leaded Resistors
E-Cap + Inductors + Coils
2005**



YAGEO

www.yageo.com



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Aluminum Electrolytic Caps.

ST/S7 Series

MINIATURE

5 and 7mm Height Radial



Capacitance Range _

0.1 μ F to 470 μ F

Rated Working Voltage _

4Vdc to 50Vdc

Operating Temp. Range _

-40°C to 85°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.01CV or 3 μ A

Load Life _

1,000Hrs. @ 85°C

Packaging _ Bulk / Tape

S5/SS Series

MINIATURE

5 and 7mm Height Radial



Capacitance Range _

0.1 μ F to 470 μ F

Rated Working Voltage _

6.3Vdc to 63Vdc

Operating Temp. Range _

-40°C to 105°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.01CV or 3 μ A

Load Life _

1,000Hrs. @ 105°C

Packaging _ Bulk / Tape

SK Series

GENERAL PURPOSE USE

Radial



Capacitance Range _

0.1 μ F to 22,000 μ F

Rated Working Voltage _

6.3Vdc to 450Vdc

Operating Temp. Range _

-40°C to 85°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.01CV + 3 μ A \leq 100Vdc

\leq 0.03CV + 10 μ A \geq 160VDC

Load Life _

2,000Hrs. @ 85°C

Packaging _ Bulk / Tape

SEK Series

GENERAL PURPOSE USE

Radial



Capacitance Range _

0.47 μ F to 15,000 μ F

Rated Working Voltage _

6.3Vdc to 450Vdc

Operating Temp. Range _

V < 160 -40°C to +105°C

V \geq 160 -25°C to +105°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.01CV + 3 μ A \leq 100Vdc

\leq 0.03CV + 10 μ A \geq 160VDC

Load Life _

1,000Hrs. @ 105°C

Packaging _ Bulk / Tape



Aluminum Electrolytic Caps.

SH Series**GENERAL PURPOSE USE**

Radial

**Capacitance Range** _0.47 μ F to 15,000 μ F**Rated Working Voltage** _

6.3Vdc to 450Vdc

Operating Temp. Range _

V < 160 -40°C to +105°C

V \geq 160 -25°C to +105°C**Capacitance Tolerance** _ \pm 20%**Max. Leakage Current** _< 0.01CV +3 μ A or 10 μ A**Load Life** _

2,000Hrs. @ 105°C

Packaging _ Bulk / Tape**SG Series****LONG LIFE**

Radial

**Capacitance Range** _3.3 μ F to 330 μ F**Rated Working Voltage** _

160Vdc to 450Vdc

Operating Temp. Range _

-25°C to +105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _0.06CV +10 μ A**Load Life** _

5,000Hrs. @ 105°C

Packaging _ Bulk / Tape**SA Series****LONG LIFE AND****HIGH RIPPLE CURREN**

Radial

**Capacitance Range** _0.1 μ F to 22,000 μ F**Rated Working Voltage** _

6.3Vdc to 450Vdc

Operating Temp. Range _

-40°C to 105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _1 \leq 0.04CV +40 μ A**Load Life** _

3,000 to 8,000Hrs.

Packaging _ Bulk / Tape**SP Series****LONG LIFE AND****HIGH RIPPLE CURREN**

Radial

**Capacitance Range** _3.3 μ F to 330 μ F**Rated Working Voltage** _

160Vdc to 450Vdc

Operating Temp. Range _

V < 400 -40°C to +105°C

V \geq 450 -25°C to +105°C**Capacitance Tolerance** _ \pm 20%**Max. Leakage Current** _ \leq 0.04CV +10 μ A**Load Life** _

8,000 to 10,000Hrs. @ 105°C

Packaging _ Bulk / Tape



Aluminum Electrolytic Caps.

SQ Series

**HIGH TEMPERATURE
FOR 125°C**

Radial



Capacitance Range _

0.47 μ F to 3900 μ F

Rated Working Voltage _

10Vdc to 50Vdc

Operating Temp. Range _

-40°C to +125°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.03CV or 4 μ A

Load Life _

1,000Hrs. @ 125°C

Packaging _ Bulk / Tape

SF Series

PHOTO FLASH USE

Radial



Capacitance Range _

36 μ F to 300 μ F

Rated Working Voltage _

300Vdc, 330Vdc, 360Vdc

Operating Temp. Range _

-25°C to 55°C

Capacitance Tolerance _

-10% to +20%

Max. Leakage Current _

= 1 x C μ A (After 5 minute)

Load Life _ 5,000 times

Packaging _ Bulk / Tape

SC Series

LOW IMPEDANCE

Radial



Capacitance Range _

4.7 μ F to 15,000 μ F

Rated Working Voltage _

6.3Vdc to 100Vdc

Operating Temp. Range _

-40°C to 105Vdc

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.01CV or 3 μ A

Load Life _

2,000 to 5,000Hrs. @ 105°C

Packaging _ Bulk / Tape

SX Series

LOW IMPEDANCE

Radial



Capacitance Range _

4.7 μ F to 15,000 μ F

Rated Working Voltage _

6.3Vdc to 100Vdc

Operating Temp. Range _

-40°C to 105Vdc

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.01CV or 3 μ A

Load Life _

2,000 to 5,000Hrs. @ 105°C

Packaging _ Bulk / Tape



Aluminum Electrolytic Caps.

SZ Series**VERY LOW ESR IMPEDANCE**

Radial

**Capacitance Range** _150 μ F to 4,700 μ F**Rated Working Voltage** _

6.3Vdc to 35Vdc

Operating Temp. Range _

-40°C to +105Vdc

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _ \leq 0.01CV**Load Life** _

2,000 to 3,000Hrs. @ 105°C

Packaging _ Bulk / Tape**SZ Series****VERY LOW IMPEDANCE**

Radial

**Capacitance Range** _470 μ F to 3,300 μ F**Rated Working Voltage** _

6.3Vdc to 16Vdc

Operating Temp. Range _

-40°C to +105Vdc

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _ \leq 0.03CV**Load Life** _

2,000Hrs. @ 105°C

Packaging _ Bulk / Tape**SV Series****HIGH RIPPLE AND
LOW IMPEDANCE**

Radial

**Capacitance Range** _10 μ F to 220 μ F**Rated Working Voltage** _

200Vdc to 400Vdc

Operating Temp. Range _

V < 200 -40°C to 105°C

V > 400 -25°C to 105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _= 0.06CV + 10 μ A**Load Life** _

2,000Hrs. @ 105°C

Packaging _ Bulk / Tape**SY Series****HIGH RIPPLE AND
LOW IMPEDANCE**

Radial

**Capacitance Range** _22 μ F to 15,000 μ F**Rated Working Voltage** _

6.3Vdc to 450Vdc

Operating Temp. Range _

-40°C to +105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _= 0.01CV or 3 μ A**Load Life** _

3,000 to 7,000Hrs. @ 105°C

Packaging _ Bulk / Tape



Aluminum Electrolytic Caps.

SN Series

NON-POLAR

Radial



Capacitance Range _

0.47 μ F to 2,200 μ F

Rated Working Voltage _

6.3Vdc to 100Vdc

Operating Temp. Range _

-40°C to +105°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.03CV +3 μ A

Load Life _

1,000Hrs. @ 105°C

Packaging _ Bulk / Tape

SB Series

LOW LEAKAGE CURRENT

Radial



Capacitance Range _

0.1 μ F to 4.700 μ F

Rated Working Voltage _

6.3Vdc to 100Vdc

Operating Temp. Range _

-40°C to +105°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

\leq 0.002CV 0.4 μ A

Load Life _

1,000Hrs. @ 105°C

Packaging _ Bulk / Tape

SR Series

BI-POLAR

Radial



Capacitance Range _

2.2 μ F to 47 μ F

Rated Working Voltage _

25Vdc to 50Vdc

Operating Temp. Range _

-40°C to +85°C

Capacitance Tolerance _ \pm 20%

Max. Leakage Current _

100 μ A (after 5 Min.)

Load Life _

1,000Hrs. @ 85°C

Packaging _ Bulk / Tape

LH Series

GENERAL PURPOSE USE

Snap-In



Capacitance Range _

56 μ F to 120,000 μ F

Rated Working Voltage _

6.3Vdc to 450Vdc

Operating Temp. Range _

6.3-100Vcd -40°C to 85°C

160-450Vcd -25°C to 85°C

Capacitance Tolerance _ 20%

Max. Leakage Current _

\leq 0.02CV or 3mA

Load Life _

2,000Hrs. @ 85°C

Packaging _ Bulk



Aluminum Electrolytic Caps.

LG Series**GENERAL PURPOSE USE**

Snap-In

**Capacitance Range** _47 μ F to 82,000 μ F**Rated Working Voltage** _

6.3Vdc to 450Vdc

Operating Temp. Range _

6.3-100Vdc -40°C to 105°C

160-450Vdc -25°C to 105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _

I = 0.02CV, L = 20mm

 \leq 0.03CV or 3mA**Load Life** _

2,000Hrs. @ 105°C

Packaging _ Bulk**LV Series****LONG LIFE**

Snap-In

**Capacitance Range** _56 μ F to 56,000 μ F**Rated Working Voltage** _

10Vdc to 450Vdc

Operating Temp. Range _

-40°C to 105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _ $<$ 3 \sqrt CV**Load Life** _

3,000Hrs. @ 105°C

Packaging _ Bulk**CA Series****GENERAL PURPOSE USE**

SMD (V-Chip)

**Capacitance Range** _0.1 μ F to 1,500 μ F**Rated Working Voltage** _

4Vdc to 100Vdc

Operating Temp. Range _

-40°C to +85°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _ $<$ 0.01CV or 3 μ A**Load Life** _

2,000Hrs. @ 85°C

Packaging _ Reel**CB Series****GENERAL PURPOSE USE**

SMD (V-Chip)

**Capacitance Range** _0.1 μ F to 1,000 μ F**Rated Working Voltage** _

4Vdc to 50Vdc

Operating Temp. Range _

-40°C to +105°C

Capacitance Tolerance _ \pm 20%**Max. Leakage Current** _ \leq 0.01CV or 3 μ A**Load Life** _

1,000Hrs. @ 105°C

Packaging _ Reel



Leaded Resistors

MFR Series

METAL FILM

Std. & Reduced Size Axial Lead



Resistance Range _ 1Ω to 10MΩ

Rated Power @ 70°C _ 1/8W to 2W

Temp. Coefficient _

±15, ±25, ±50, ±100ppm/°C

Resistance Tolerance _

±0.1%, ±0.25%, ±0.5%, ±1%, ±5%

Max. Working Voltage _

200Vdc to 500Vdc

Max. Overload Voltage _

300Vdc to 1KVdc

Packaging _

Bulk, Tape / Box, Tape / Reel

Meets _

JIS-C-5724, MIL-R-10509F

MFP Series

PRECISION METAL FILM

Std. & Reduced Size Axial Lead



Resistance Range _ 10Ω to 1MΩ

Rated Power @ 70°C _ 1/8W to 0.6W

Temp. Coefficient _

±15, ±25ppm/°C

Resistance Tolerance _

±0.1%, ±0.25%

Max. Working Voltage _

150Vdc to 250Vdc

Max. Overload Voltage _

300Vdc to 600Vdc

Packaging _

Bulk, Tape / Box, Tape / Reel

MFO Series

PROFESSIONAL METAL FILM

Std. Size Axial Lead



Resistance Range _ 1Ω to 10MΩ

Rated Power @ 70°C _ 0.4W & 0.6W

Temp. Coefficient _ ±50ppm/°C

Resistance Tolerance _ ±1%

Max. Working Voltage _

200Vdc to 300Vdc

Max. Overload Voltage _

400Vdc to 600Vdc

Packaging _

Bulk, Tape / Box, Tape / Reel

FMF Series

METAL FILM FLAME-PROOF

Std. & Reduced Size Axial Lead



Resistance Range _ 1Ω to 10MΩ

Rated Power @ 70°C _ 1/4W to 2W

Temp. Coefficient _

±50, ±100ppm/°C

Resistance Tolerance _ ±1%

Max. Working Voltage _

250Vdc to 500Vdc

Max. Overload Voltage _

500Vdc to 1,000Vdc

Flameproof Silicone Coating Meets UL94V-0

Packaging _

Bulk, Tape / Box, Tape / Reel



Leaded Resistors

FMO Series**PROFESSIONAL METAL
FILM FLAME-PROOF**

Std. Axial Lead



Resistance Range _ 1 Ω to 10M Ω
Rated Power @ 70°C _ 0.4W & 0.6W
Temp. Coefficient _ ± 50 ppm/ $^{\circ}$ C
Resistance Tolerance _ $\pm 1\%$

Max. Working Voltage _
200Vdc to 300Vdc
Max. Overload Voltage _
400Vdc to 600Vdc
 Flameproof Silicone Coating Meet UL94V-0
Packaging _
Bulk, Tape / Box, Tape / Reel

FMP Series**POWER FLAME-PROOF
METAL FILM**

Std. Size Axial Lead



Resistance Range _ 1 Ω to 1M Ω
Rated Power @ 70°C _ 1/2W to 3W
Temp. Coefficient _ ± 100 ppm/ $^{\circ}$ C
Resistance Tolerance _ $\pm 1\%$, $\pm 5\%$

Max. Working Voltage _
200Vdc to 750Vdc
Max. Overload Voltage _
400Vdc to 1KVdc
 Flameproof Silicone Coating Meet UL94V-0
Packaging _
Bulk, Tape / Box, Tape / Reel

RSF Series**METAL OXIDE FILM**

Std. Reduced Size Axial Lead



Resistance Range _ 0.1 Ω to 1M Ω
Rated Power @ 70°C _ 1/4W to 5W
Temp. Coefficient _ $+300$ ppm/ $^{\circ}$ C Max.
Resistance Tolerance _ $\pm 5\%$

Max. Working Voltage _
250Vdc to 750Vdc
Max. Overload Voltage _
300Vdc to 1KVdc
 Flameproof Silicone Coating Meet UL94V-0
Packaging _
Bulk, Tape / Box, Tape / Reel
Meets _ JIS-C-6409

CFR Series**CARBON FILM**

Std. & Reduced Size Axial Lead



Resistance Range _ 1 Ω to 10M Ω /0R
Rated Power @ 70°C _ 1/8W to 2W
Temp. Coefficient _
 $+350$ to $-1,500$ ppm/ $^{\circ}$ C
Resistance Tolerance _ $\pm 2\%$, $\pm 5\%$

Max. Working Voltage _
150Vdc to 500Vdc
Max. Overload Voltage _
300Vdc to 1KVdc
Packaging _
Bulk, Tape / Box, Tape / Reel
Meets _
EIA-RS 196A, JIS-C-6408



Leaded Resistors

CF0 Series

PROFESSIONAL CARBON FILM

Std. Size Axial Lead



Resistance Range _ 1 Ω to 10M Ω

Rated Power @ 70°C _ 0.4W & 0.6W

Temp. Coefficient _
+350 to -1,500ppm/°C

Resistance Tolerance _ $\pm 5\%$

Max. Working Voltage _

200Vdc to 300Vdc

Max. Overload Voltage _
400Vdc to 600Vdc

Packaging _
Bulk, Tape / Box, Tape / Reel

FCR Series

CARBON FILM FLAME-PROOF

Std. & Reduced Size Axial Lead



Resistance Range _ 1 Ω to 10M Ω

Rated Power @ 70°C _ 1/6W to 2W

Temp. Coefficient _
+350 to -1,500ppm/°C

Resistance Tolerance _ $\pm 5\%$

Max. Working Voltage _

150Vdc to 500Vdc

Max. Overload Voltage _
300Vdc to 1,000Vdc

Flameproof Silicone Coating Meet UL94V-0
Packaging _
Bulk, Tape / Box, Tape / Reel

FC0 Series

**PROFESSIONAL CARBON FILM
FLAME-PROOF**

Std. Size Axial Lead



Resistance Range _ 1 Ω to 10M Ω

Rated Power @ 70°C _ 0.4W & 0.6W

Temp. Coefficient _
+350 to -1,500ppm/°C

Resistance Tolerance _ $\pm 5\%$

Max. Working Voltage _

200Vdc to 300Vdc

Max. Overload Voltage _
400Vdc to 600Vdc

Flameproof Silicone Coating Meet UL94V-0
Packaging _
Bulk, Tape / Box, Tape / Reel

NCR Series

NON-INDUCTIVE CARBON FILM

Std. & Reduced Size Axial Lead



Resistance Range _ 2.2 Ω to 6K Ω

Rated Power @ 70°C _ 1/4W to 2W

Temp. Coefficient _ ± 500 ppm/°C

Resistance Tolerance _
 $\pm 5\%$, $\pm 10\%$

Flameproof Silicone Coating Meet UL94V-0

Inductance _ < 1 μ H

Packaging _
Bulk, Tape / Box, Tape / Reel



Leaded Resistors

ZOR Series

ZERO RESISTOR

**Max. Resistance Value** _ 0.005 Ω **Rated Power @ 70°C** _ $1/6$ W & $1/4$ W**Packaging** _ Bulk, Tape / Box, Tape / Reel**JPW Series**

JUPPER WIRES

**Material** _

Soft Copper Wire with Tin Plating

Conductor Resistance _ 0.005 Ω / cm**Wire Diameter** _0.5mm to 1.0mm \pm 0.05mm**Conductivity** _

10.5mm : 94%

0.6mm to 1.0mm : min 96%

Thickness of Plating _3 μ to 5 μ **Packaging** _

Tape / Box, Tape / Reel

KNP SeriesCONFORMAL COATED
WIRE-WOUND

Std. Reduced Size Axial Lead

**Resistance Range** _ 0.1 Ω to 1K Ω **Rated Power @ 70°C** _ $1/4$ W to 7W**Temp. Coefficient** _ \pm 400ppm/ $^{\circ}$ C Max.**Resistance Tolerance** _ \pm 5%**Dielectric Withstanding Voltage** _
300Vdc

Flameproof Silicone Coating Meet UL94V-0

Packaging _

Bulk, Tape / Box, Tape / Reel

Meets _ JIS-C-6409**NKN Series**NON-INDUCTIVE WIRE-WOUND
(CONFORMAL COATED)

Std. & Reduced Size Axial Lead

**Resistance Range** _ 0.1 Ω to 33 Ω **Rated Power @ 70°C** _ $1/2$ W to 7W**Temp. Coefficient** _ \pm 400ppm/ $^{\circ}$ C**Resistance Tolerance** _
 \pm 5%

Flameproof Silicone Coating Meet UL94V-0

Packaging _

Bulk, Tape / Box, Tape / Reel



Leaded Resistors

FRM Series

FUSIBLE METAL FILM

Std. & Reduced Size Axial Lead



Resistance Range _ 2.2Ω to 1KΩ

Rated Power @ 70°C _ 1/4W to 3W

Temp. Coefficient _ ±200ppm/°C

Resistance Tolerance _ ±5%

Fusing Characteristics _

Fusing time within 30 seconds at 16 times of rated power.

Fusing residual resistive value at least 100 times rated resistance.

Packaging _
Bulk, Tape / Box, Tape / Reel

SQP Series

POWER RESISTOR

Ceramic Encased Axial Lead



Resistance Range _ 0.15Ω to 10KΩ

Rated Power @ 70°C _ 1W to 20W

Temp. Coefficient _ ±300ppm/°C

Resistance Tolerance _ ±5%

Load Life _

ΔRmax ±(5% + 0.05Ω)

Insulation Resistance _
> 100MΩ

Packaging _ Bulk

SQM Series

POWER RESISTOR

Ceramic Encased Radial Lead



Resistance Range _ 0.15Ω to 10KΩ

Rated Power @ 70°C _ 2W to 10W

Temp. Coefficient _ ±300ppm/°C

Resistance Tolerance _ ±5%

Load Life _

ΔRmax ±(5% + 0.05Ω)

Insulation Resistance _
> 100MΩ

Packaging _ Bulk

SQZ Series

WIREWOUND

Ceramic Encased
Radial Lead-Clamp Mt.



Resistance Range _ 0.22Ω to 10KΩ

Rated Power @ 70°C _ 3W to 20W

Temp. Coefficient _ ±300ppm/°C

Resistance Tolerance _ ±5%

Load Life _

ΔRmax ±(5% + 0.05Ω)

Insulation Resistance _
> 100MΩ

Packaging _ Bulk



Leaded Resistors

SQH Series

WIREWOUND

Ceramic Encased
Radial Lead-Clamp Mt.



Resistance Range _ 0.39 Ω to 10K Ω

Rated Power @ 70°C _ 10W to 40W

Temp. Coefficient _ ± 300 ppm/ $^{\circ}$ C

Resistance Tolerance _ $\pm 5\%$, $\pm 10\%$

Load Life _

$\Delta R_{max} \pm (5\% + 0.05\Omega)$

Insulation Resistance _

> 100M Ω

Packaging _ Bulk



SMD Chip Beads

SB Series

MULTILAYER FERRITE

General Applications



Impedance Range _ 6Ω to 2,700Ω
Test Frequency _ 30MHz to 100MHz
Tolerance _ ±25%
DC Resistance _ 0.05Ω to 2Ω

Rated Current _
 50mA to 600mA
Size _ 100505, 160808,
 201209, 321611,
 322513, 451616,
 453215
Packaging _ Tape / Reel

GB Series

MULTILAYER FERRITE

Medium Current Applications



Impedance Range _ 7Ω to 2,000Ω
Test Frequency _ 30MHz to 100MHz
Tolerance _ ±25%
DC Resistance _ 0.03Ω to 0.55Ω

Rated Current _
 200mA to 1,000mA
Size _ 160808, 201209,
 321611, 321616,
 322513, 451616,
 453215
Packaging _ Tape / Reel

PB Series

MULTILAYER FERRITE

Large Current Applications



Impedance Range _ 10Ω to 1,500Ω
Test Frequency _ 50MHz to 100MHz
Tolerance _ ±25%
DC Resistance _ 0.01Ω to 0.25Ω

Rated Current _
 800mA to 6,000mA
Size _ 100505, 160808,
 201209, 321611,
 322513, 451616,
 453215
Packaging _ Tape / Reel

UPB Series

MULTILAYER FERRITE

Ultra Current Applications



Impedance Range _ 11Ω to 150Ω
Test Frequency _ 100MHz
Tolerance _ ±25%
DC Resistance _ 0.01Ω to 0.025Ω

Rated Current _
 4,500mA to 9,000mA
Size _ 160808, 201209,
 201212, 321611,
 451616, 453215
Packaging _ Tape / Reel



SMD Chip Beads

NB Series**MULTILAYER FERRITE**

Data Line / Digital Signals

**Impedance Range** _ 6 Ω to 2,700 Ω **Test Frequency** _ 100MHz**Tolerance** _ $\pm 25\%$ **DC Resistance** _ 0.05 Ω to 1.5 Ω **Rated Current** _

50mA to 800mA

Size _ 100505, 160808,
201209, 321611**Packaging** _ Tape / Reel**BA Series****MULTILAYER FERRITE**

Multi-Line Applications

**Impedance Range** _ 30 Ω to 1,000 Ω **Test Frequency** _ 100MHz**Tolerance** _ $\pm 25\%$ **DC Resistance** _ 0.4 Ω to 1.8 Ω **Rated Current** _

50mA to 350mA

Size _ 321609**Packaging** _ Tape / Reel**FB Series****SHIELDED BEADS**

Surface Mount

**Impedance Range** _ 24 Ω to 72 Ω **Test Frequency** _ 50MHz & 100MHz**Tolerance** _ $\pm 20\%$ **DC Resistance** _ 0.6 Ω to 0.9 Ω **Size** _ 423226, 784729,
863226, 423226**Packaging** _ Tape / Reel

SMD Chip Inductor

CL Series**MULTILAYER FERRITE**

Monolithic Structure For Signals

**Inductance Range** _ 0.01 μ H to 33 μ H**Test Frequency** _ 1MHz to 50MHz**Tolerance** _ $\pm 25\%$, $\pm 20\%$ **DC Resistance** _ 0.15 Ω to 2.55 Ω **IDC** _ 5mA to 300mA**Size** _ 160808, 201209,
201212, 321611**Packaging** _ Tape / Reel



SMD Chip Inductor

NL Series

WOUND FERRITE

Open/Molded Wire



Inductance Range _
0.005uH to 1,000uH

Test Frequency _
0.0796MHz to 100MHz

Tolerance _ $\pm 5\%$, $\pm 10\%$, $\pm 20\%$
SRF _ 0.5MHz to 3,000MHz

DC Resistance _
0.13 Ω to 150 Ω

IDC _ 25mA to 2,000mA

Size _ 201614, 252018,
322522, 453232,
565050

Packaging _ Tape / Reel

NLC Series

WOUND FERRITE

Open/Molded For High Current



Inductance Range _
1.0uH to 1,000uH

Test Frequency _
0.252MHz to 7.96MHz

Tolerance _ $\pm 5\%$, $\pm 10\%$
SRF _ 1.8MHz to 300MHz

DC Resistance _
0.03 Ω to 28 Ω

IDC _ 65mA to 1,800mA

Size _ 252018, 322522,
453232, 565050

Packaging _ Tape / Reel

SQV Series

WOUND FERRITE

Molded For High Current



Inductance Range _ 1.0uH to 2,200uH

Test Frequency _ 1KHz to 1MHz

Tolerance _ $\pm 5\%$, $\pm 10\%$, $\pm 20\%$
SRF _ 1.3MHz to 200MHz

DC Resistance _
0.2 Ω to 50 Ω

Rated Current _
30mA to 700mA

Size _ 322520, 453226

Packaging _ Tape / Reel

SQC Series

WOUND FERRITE

Molded For High Current



Inductance Range _
1.2uH to 10,000uH

Test Frequency _
0.001MHz to 25.2MHz

Tolerance _ $\pm 5\%$, $\pm 10\%$, $\pm 20\%$
SRF _ 0.5MHz to 450MHz

DC Resistance _
0.0098 Ω to 140 Ω

Rated Current _
50mA to 6.000mA

Size _ 321618, 322520,
453226, 575047

Packaging _ Tape / Reel



SMD Chip Inductor

CLH Series

WOUND HIGH FREQUENCY



Inductance Range _ 1nH to 330nH
Test Frequency _ 50MHz to 800MHz
Tolerance _ $\pm 0.3\text{nH}$, $\pm 5\%$, $\pm 10\%$
SRF _ 380MHz to 10,000MHz

DC Resistance _ 0.1 Ω to 3 Ω
IDC _ 100mA to 500mA
Size _ 1005, 1608, 2012
Packaging _ Tape / Reel

LCN Series

WOUND HIGH FREQUENCY



Inductance Range _ 1.6nH to 8,200nH
Test Frequency _ 7.9MHz to 250MHz
Tolerance _ $\pm 2\%$, $\pm 5\%$, $\pm 10\%$
SRF _ 25MHz to 12,500MHz

RDC _ 0.03 Ω to 6 Ω
Irms _ 170mA to 1,000mA
Size _ 0603, 0805, 1008, 1206
Packaging _ Tape / Reel

CS Series

WOUND HIGH FREQUENCY



Inductance Range _
 1.6nH to 10,000nH
Test Frequency _
 7.9MHz to 250MHz
Tolerance _ $\pm 2\%$, $\pm 5\%$, $\pm 10\%$
SRF _ 25MHz to 12,500MHz

RDC _ 0.03 Ω to 8 Ω
Irms _ 100mA to 1,000mA
Size _ 0603, 0805, 1008,
Packaging _ Tape / Reel

LS Series

WOUND HIGH FREQUENCY



Inductance Range _
 1.2nH to 10,000nH
Test Frequency _
 7.9MHz to 50MHz
Tolerance _ $\pm 5\%$, $\pm 10\%$
SRF _ 40MHz to 800MHz

RDC _ 0.45 Ω to 4.8 Ω
IDC _ 300mA to 1,200mA
Size _ 0603, 1008,
Packaging _ Tape / Reel



SMD Power Inductor

STD Series
UNSHIELDED

Inductance Range _ 10uH to 1,200uH
Test Frequency _ 1KHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.06 Ω to 3.5 Ω

Rated Current _
0.35A to 3.5A
Size _ 1109
Packaging _ Tape / Reel



SSL Series
UNSHIELDED

Inductance Range _ 1.0uH to 1,000uH
Test Frequency _ 100KHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.009 Ω to 33.6 Ω

Isat2 _ 0.08A to 20A
Irms3 _ 0.05A to 8.6A
Size _ 04LP, 0400, 0402,
0802, 0804, 0810,
1306
Packaging _ Tape / Reel



SSL Series
UNSHIELDED

Inductance Range _ 1.0uH to 1,000uH
Test Frequency _ 100KHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.04 Ω to 22.6 Ω

SRF _ 4MHz to 230MHz
Size _ 0618
Packaging _ Tape / Reel



SSL_HC Series
UNSHIELDED

Inductance Range _ 0.33uH to 100uH
Test Frequency _ 100KHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.002 Ω to 32 Ω

Isat2 _ 0.87A to 30A
Irms3 _ 0.72A to 15A
Size _ 0503, 0804, 1306
Packaging _ Tape / Reel





SMD Power Inductor

SCD Series

UNSHIELDED

**Inductance Range** _ 1.0uH to 1,500uH**Test Frequency** _ 1KHz to 7.96MHz**Tolerance** _ $\pm 10\%$, $\pm 15\%$, $\pm 10\%$ **DC Resistance** _ 0.02 Ω to 55 Ω **Rated Current** _

0.03A to 4.5A

Size _ 03015, 03021, 0403,

0501, 0502, 0503,

0504, 0703, 0705,

1004, 1005, 1005B

Packaging _ Tape / Reel**SCMD Series**

UNSHIELDED

**Inductance Range** _ 2.2uH to 150uH**Test Frequency** _ 100KHz**Tolerance** _ $\pm 20\%$ **DC Resistance** _ 0.081 Ω to 5.362 Ω **Rated Current** _

0.13A to 1.25A

Size _ 4D06, 4D08, 4D11,

4D13, 5D11, 5D13

Packaging _ Tape / Reel**SCDS Series**

UNSHIELDED

**Inductance Range** _ 1.0uH to 1,000uH**Test Frequency** _ 1KHz to 7.96MHz**Tolerance** _ $\pm 20\%$, $\pm 30\%$ **DC Resistance** _ 7.0m Ω to 9,440m Ω **Rated Current** _

0.14A to 10A

Size _ 2D11, 2D14, 2D18LD,

2D18HP, 4D18, 4D28

5D18, 5D28, 6D28,

6D38, 62, 64, 73, 74,

104R, 124, 125, 127

Packaging _ Tape / Reel**SDS Series**

UNSHIELDED

**Inductance Range** _ 0.1uH to 10,000uH**Test Frequency** _ 100MHz**Tolerance** _ $\pm 20\%$ **SRF** _ 0.4MHz to 200MHz**DC Resistance** _0.021 Ω to 74m Ω **Current** _ 0.01A to 5.6A**Size** _ 0402BL, 0402, 0804,

1306

Packaging _ Tape / Reel



SMD Power Inductor

SDT Series

UNSHIELDED



Inductance Range _
0.1uH to 10,000uH
Test Frequency _ 100KHz
Tolerance _ $\pm 20\%$
SRF _ 2.3MHz to 157MHz

DC Resistance _
0.025 Ω to 8.1 Ω
Rated Current _ 0.08A to 5A
Size _ 0402, 0804
Packaging _ Tape / Reel

SLF Series

UNSHIELDED



Inductance Range _
1.2uH to 1,500uH
Test Frequency _ 1KHz
Tolerance _ $\pm 20\%$, $\pm 30\%$
DC Resistance _ 0.0069 Ω to 4.78 Ω

Rated Current _
0.13A to 13A
Size _ 0628, 0728, 0730,
0732, 0745, 1045,
1255, 1265, 1275
Packaging _ Tape / Reel

GAB Series

MINI POWER INDUCTOR



Inductance Range _ 1.0uH to 68uH
Test Frequency _ 100KHz
Tolerance _ $\pm 20\%$, $\pm 30\%$
DC Resistance _ 0.08 Ω to 4.2 Ω

IDC _ 0.17A to 1.4A
Size _ 0312
Packaging _ Tape / Reel

NDA Series

MINI POWER INDUCTOR



Inductance Range _ 1.6uH to 47uH
Test Frequency _ 100KHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.045 Ω to 0.65 Ω

IDC _ 0.45A to 3A
Size _ 0715, 1015
Packaging _ Tape / Reel

**SMD Power Inductor****SPMC Series**
POWER INDUCTOR**Inductance Range** _ 0.3uH to 4.7uH
Test Frequency _ 100MHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.7m Ω to 4.5m Ω **Rated Current** _ 13A to 40A
Size _ 126, 127, 129
Packaging _ Tape / Reel**DIP Power Inductor****PMC Series****Inductance Range** _ 0.3uH to 4.7uH
Test Frequency _ 100MHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.4m Ω to 4.5m Ω **Rated Current** _
15A to 40A
Size _ 125, 127, 129
Packaging _ Tape / Bulk**MBPL Series****Inductance Range** _ 0.3uH to 1.5uH
Test Frequency _ 100MHz
Tolerance _ $\pm 20\%$
DC Resistance _ 0.3m Ω to 1.5m Ω **Rated Current** _ 12A to 60A
Size _ 1217, 1220, 1319
Packaging _ Tape / Bulk**EMI Inductor****SBCB Series**
EMI DATA LINE FILTERS**Inductance Range** _ 25uH to 50uH
Test Frequency _ 100MHz
DC Resistance _ 0.07 Ω **Size** _ 1104
Packaging _ Tape / Reel



EMI Inductor

SBCB Series

EMC COMMON MODE FILTERS



Inductance Range _ 80uH to 1,016uH

Test Frequency _ 100MHz, 300MHz

DC Resistance _ 30Ω to 70Ω

Size _ 656030

Packaging _ Tape / Reel

CMM Series

EMC COMMON MODE CHOKES



Inductance Range _

0.3Ω to 2,200Ω

4.2uH to 11.5uH

Test Frequency _ 10MHz, 100MHz

Tolerance _ ±10%, ±100%

IDC _ 200mA to 800mA

RDC _ 0.2Ω to 1.2Ω

Size _ 21, 31, 41

Packaging _ Tape / Reel

Chokes

AL Series

RF CHOKES



Inductance Range _

0.22uH to 1,000uH

Test Frequency _

0.796MHz to 25.2 MHz

Tolerance _ ±5%, ±10%, ±20%

DC Resistance _ 0.17Ω to 28Ω

SRF _ 1.2MHz to 380MHz

IDC _ 35mA to 980mA

Size _ 0204, 0307, 0410,

0510

Packaging _

Tape / Ammo, Reel

SL Series

CHOKE COILS



Inductance Range _ 1.0uH to 47mH

Test Frequency _ 1KHz to 7.96MHz

Tolerance _ ±10%

DC Resistance _ 0.018Ω to 190Ω

IDC _ 15mA to 10A

Size _ 0406, 0608, 1016

Packaging _ Tape / Bulk



Chokes

BC Series
POWER CHOKE**Inductance Range** _ 30uH to 140uH
Test Frequency _ 10kHz
RDC _ 30mΩ to 71mΩ
Turns _ 24 to 40**Size** _ 1005, 1104, 1305,
1306, 1506, 1806,
2006, 2310, 2711,
3311**Packaging** _ Tape / Bulk

Filters

BCB Series
DATA LINE FILTERS**Inductance Range** _ 4.7uH to 56uH
Test Frequency _ 100kHz
Tolerance _ ±50%, ±35%
DC Resistance _ 21mΩ to 85mΩ**Rated Current** _ 500mA
Size _ 0401
Packaging _
Tape / Bulk, Ammo

Ferrite Beads

RH Series
EMI FERRITE BEADS**Impedance Range** _ 5Ω to 130Ω
Test Frequency _ 10MHz, 100MHz**Size** _ 025, 035, 080
Packaging _
Tape / Reel, Ammo, Bulk**R6H / R8H Series**
EMI FERRITE BEADS**Impedance Range** _ 30Ω to 1,158Ω
Test Frequency _
10MHz, 50MHz, 100MHz
Turns _ 0.5 to 3.5**Size** _ 0510, 0610
Packaging _ Tape / Bulk

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