

SMART METER / ENERGY METER

Aluminium electrolytic capacitors

RADIAL

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IT	-40°C +105°C	10 to 100	1 to 10000
IT5	-40°C +105°C	10 to 100	1 to 10000
IT8	-40°C +105°C	10 to 100	1 to 10000
IT10	-40°C +105°C	10 to 100	1 to 10000

SMD

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD	-40°C +105°C	6.3 to 100	1 to 1000
ISMD5	-40°C +105°C	6.3 to 450	1 to 1000
ISMD10	-40°C +105°C	6.3 to 450	1 to 1000

SMD PET

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD10	-40°C +105°C	6.3 to 500	0.47 to 2200
ISMD130	-40°C +130°C	6.3 to 500	1 to 2200

Application : CHARGER / SMPS

Aluminium electrolytic capacitors

SNAP-IN

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IS2	-25°C +105°C	16 to 500	47 to 1,00,000
ISE2	-25°C +105°C	16 to 500	47 to 1,00,000
IS5	-25°C +105°C	16 to 500	47 to 1,00,000
IS7	-55°C +105°C	16 to 500	47 to 1,00,000

SCREW TERMINAL

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ICST	-40°C +85°C	16 to 500	47 to 1,00,000
ICST2	-40°C +105°C	16 to 500	47 to 1,00,000

Application : AUTO MOTIVE / EV

Aluminium electrolytic capacitors

RADIAL

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
NP	-40°C +105°C	10 to 250	1 to 2200
IT115	-40°C +115°C	10 to 500	0.47 to 2200
IT130	-40°C +130°C	10 to 500	1 to 2200

SMD

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD	-40°C +105°C	6.3 to 100	1 to 1000
ISMD5	-40°C +105°C	6.3 to 450	1 to 1000
ISMD10	-40°C +105°C	6.3 to 450	1 to 1000

SMD PET

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD10	-40°C +105°C	6.3 to 500	0.47 to 2200
ISMD130	-40°C +130°C	6.3 to 500	1 to 2200

Conductive polymer aluminium solid capacitors :

RADIAL

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IPS	-55°C +105°C	2.5 to 100	6.8 to 3300
IPL	-55°C +105°C	2.5 to 100	6.8 to 3300
IPH	-55°C +125°C	6.3 to 100	22 to 1000

SMD

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IPD	-55°C +105°C	2.5 to 100	6.8 to 3300
IPE	-55°C +105°C	10 to 63	6.8 to 3300

Application : Industrial Electronics

Aluminium electrolytic capacitors

RADIAL

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
NP	-40°C +105°C	10 to 250	1 to 2200

SNAP-IN

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IS2	-25°C +105°C	16 to 500	47 to 1,00,000
ISE2	-25°C +105°C	16 to 500	47 to 1,00,000
IS5	-25°C +105°C	16 to 500	47 to 1,00,000
IS7	-55°C +105°C	16 to 500	47 to 1,00,000

SCREW TERMINAL

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ICST	-40°C +85°C	16 to 500	47 to 1,00,000
ICST2	-40°C +105°C	16 to 500	47 to 1,00,000

Application : 5G & TELECOM

Aluminium electrolytic capacitors

SMD

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD	-40°C +105°C	6.3 to 100	1 to 1000
ISMD5	-40°C +105°C	6.3 to 450	1 to 1000
ISMD10	-40°C +105°C	6.3 to 450	1 to 1000

Aluminium electrolytic capacitors

SMD PET

Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD10	-40°C +105°C	6.3 to 500	0.47 to 2200
ISMD130	-40°C +130°C	6.3 to 500	1 to 2200

Conductive polymer aluminium solid capacitors :			
SMD			
Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IPD	-55°C +105°C	2.5 to 100	6.8 to 3300
IPE	-55°C +105°C	10 to 63	6.8 to 3300

Application : Consumer electronics & LED Applications

Aluminium electrolytic capacitors			
RADIAL			
Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IT	-40°C +105°C	10 to 100	1 to 10000
IT5	-40°C +105°C	10 to 100	1 to 10000
IT8	-40°C +105°C	10 to 100	1 to 10000
IT10	-40°C +105°C	10 to 100	1 to 10000
NP	-40°C +105°C	10 to 250	1 to 2200
IT115	-40°C +115°C	10 to 500	0.47 to 2200
IT130	-40°C +130°C	10 to 500	1 to 2200
SMD			
Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD	-40°C +105°C	6.3 to 100	1 to 1000
ISMD5	-40°C +105°C	6.3 to 450	1 to 1000
ISMD10	-40°C +105°C	6.3 to 450	1 to 1000
SMD PET			
Series	operating temp range	Voltage Range VDC	Capacitance Range μF
ISMD10	-40°C +105°C	6.3 to 500	0.47 to 2200
ISMD130	-40°C +130°C	6.3 to 500	1 to 2200

Conductive polymer aluminium solid capacitors :			
RADIAL			
Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IPS	-55°C +105°C	2.5 to 100	6.8 to 3300

IPL	-55°C +105°C	2.5 to 100	6.8 to 3300
IPH	-55°C +125°C	6.3 to 100	22 to 1000
SMD			
Series	operating temp range	Voltage Range VDC	Capacitance Range μF
IPD	-55°C +105°C	2.5 to 100	6.8 to 3300
IPE	-55°C +105°C	10 to 63	6.8 to 3300

Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	5X11 to 18X40	General Purpose
105	5000	5X11 to 18X40	Low ESR ,Low Leakage current
105	8000	5X11 to 18X40	Low ESR ,Low Leakage current,LED Drives
105	10000	5X9 to 22X40	Low ESR ,Low Leakage current,LED Drives
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	4X5.4 to 10X10.5	General Purpose
105	5000	4X5.4 to 10X14.5	Long Life
105	8000 ~10000	4X5.4 to 10X14.5	Long Life
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	8000 ~10000	5X7.7 to 10X16.5	High Ripple ,High temperature,Long Life for LED
130	2000 ~4000	5X7.7 to 10X14.5	High Ripple ,High temperature,Long Life for LED
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	22X25 to 35X70	General Purpose
105	2000	22X25 to 35X70	Low ESR ,Low Leakage current
105	5000	22X25 to 35X70	Low ESR ,Low Leakage current
105	7000	22X25 to 35X50	Low ESR ,Low Leakage current,LED Drives
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
85	2000	35X53 to 100X237	General Purpose
105	2000	35X53 to 89X196	Low ESR ,Low Leakage current

Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	5X11 to 18X36	Non-Polar
115	4000 ~5000	5X9 to 22X40	High Ripple ,High temperature,Long Life
130	2000 ~4000	5X9 to 18X35	High Ripple ,High temperature,Long Life for LED
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	4X5.4 to 10X10.5	General Purpose
105	5000	4X5.4 to 10X14.5	Long Life
105	8000 ~10000	4X5.4 to 10X14.5	Long Life
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	8000 ~10000	5X7.7 to 10X16.5	High Ripple ,High temperature,Long Life for LED
130	2000 ~4000	5X7.7 to 10X14.5	High Ripple ,High temperature,Long Life for LED
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	5X7 to 10X16	General Purpose
105	5000	6.3X8 to 10X16	Long Life
125	2000	6.3X8 to 10X17	High Temperature
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	6.3X8 to 10X16	General Purpose SMD Polymeric
105	5000	6.3X5.8 to 10X17	Low Leakage current

Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	5X11 to 18X36	Non-Polar
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	22X25 to 35X70	General Purpose
105	2000	22X25 to 35X70	Low ESR ,Low Leakage current
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Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	6.3X8 to 10X16	General Purpose SMD Polymeric
105	5000	6.3X5.8 to 10X17	Low Leakage current
Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	5X11 to 18X40	General Purpose
105	5000	5X11 to 18X40	Low ESR ,Low Leakage current
105	8000	5X11 to 18X40	Low ESR ,Low Leakage current,LED Drives
105	10000	5X9 to 22X40	Low ESR ,Low Leakage current,LED Drives
105	2000	5X11 to 18X36	Non-Polar
115	4000 ~5000	5X9 to 22X40	High Ripple ,High temperature,Long Life
130	2000 ~4000	5X9 to 18X35	High Ripple ,High temperature,Long Life for LED
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105	5000	4X5.4 to 10X14.5	Long Life
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105	2000	5X7 to 10X16	General Purpose

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Rated Temp°C	Load Life HRS	Can Size(DXL)	Features
105	2000	6.3X8 to 10X16	General Purpose SMD Polymeric
105	5000	6.3X5.8 to 10X17	Low Leakage current