ENERGY STORAGE INNOVATOR

STARCAP

ELECTRIC DOUBLE LAYER CAPACITOR

IATF16949

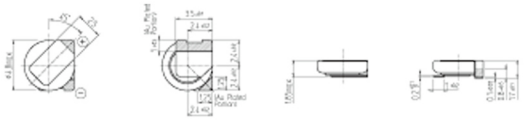
Green Certification

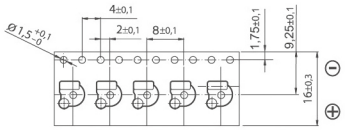
RoHS Compliant

KORCHIP CORP.

›› SM Series - reflow available at 260℃

• SM 414 (0.07F)





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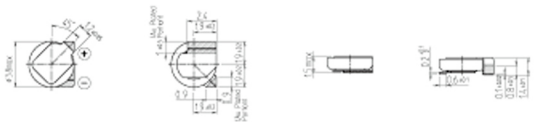
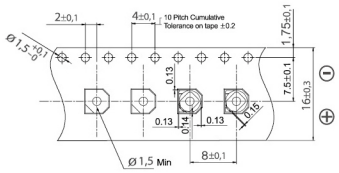
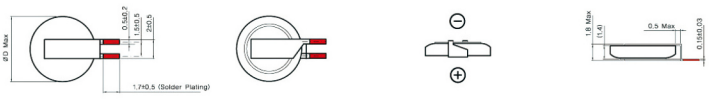




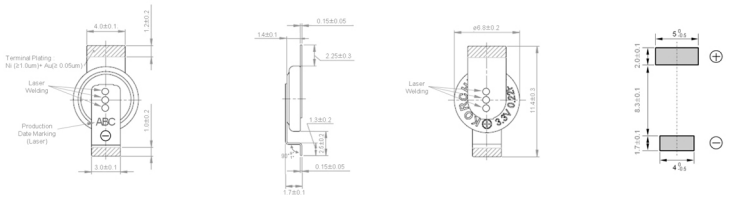
Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR(Ω, @1kHz)	Cell Size ØDxT(mm)
SM 3R3 703	3.3	-10~60℃	0.070	≤ 200	Ø4.8 x 1.4
SM 3R3 333			0.033	≤ 300	Ø3.8 x 1.1

›› DMS Series

• DMS-R TYPE



• DMS-RF TYPE



Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR(Ω, @1kHz)	Cell Size ØDxT(mm)
DMS 3R3 224 R	3.3	-10~60℃	0.22	≤ 200	Ø6.8 x 1.4
DMS 3R3 224 RF*					

* Reflow available at 260℃

›› DCM / DCMT / DCMH / DCMP Series

• DCM

V-TYPE

H-TYPE

C-TYPE

• DCMT (3.6V)

V-TYPE

H-TYPE

C-TYPE

• DCMT (5.5V)

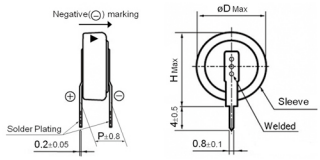
• DCMH

• DCMP

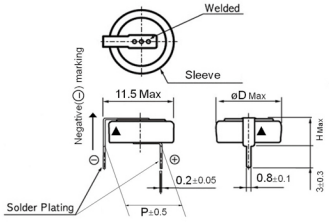
V-TYPE

H-TYPE

C-TYPE



V-TYPE



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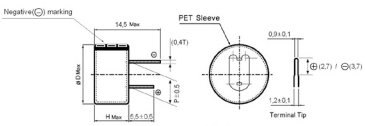

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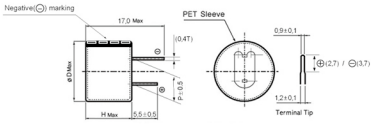


C-TYPE (DCMT 5.5V, DCMH)

■ DCM Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCM 5R5 473	5.5	-25~70℃	0.047	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCM 5R5 104			0.10	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCM 5R5 224			0.22	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0

■ DCMT / DCSH Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCMT 3R6 473	3.6	-25~85℃	0.047	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCMT 3R6 104			0.10	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCMT 3R6 224			0.22	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCMT 5R5 104	5.5	-25~85℃	0.10	≤ 120							13.5	9.5	5.0
DCMH 6R3 104	6.3	-25~70℃	0.10	≤ 120							13.5	9.5	5.0

■ DCMP Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCMP 5R5 473	5.5	-40~70℃	0.047	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCMP 5R5 104			0.10	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0
DCMP 5R5 224			0.22	≤ 75	10.8	13.0	5.0	10.8	6.0	10.0	13.5	7.0	5.0

›› DCS / DCST / DCSH / DCSP Series

• DCS


V-TYPE

H-TYPE

C-TYPE

• DCST (3.6V)


V-TYPE

H-TYPE

C-TYPE

• DCST (5.5V)

V-TYPE

• DCSH

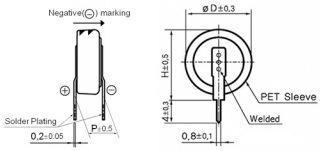
H-TYPE

• DCSP

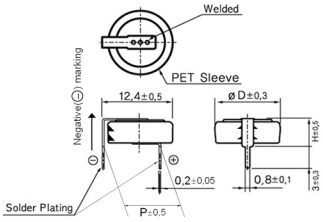

V-TYPE

H-TYPE

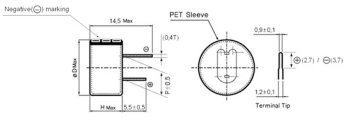
C-TYPE



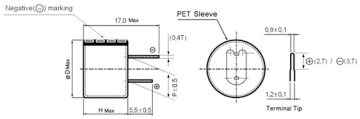
V-TYPE



H-TYPE



C-TYPE



C-TYPE (DCST 5.5V, DCSH)

■ DCS Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCS 5R5 224	5.5	-25~70℃	0.22	≤ 75	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCS 5R5 334			0.33	≤ 75	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCS 5R5 474			0.47	≤ 50	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0

■ DCST / DCSH Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCST 3R6 224	3.6	-25~85℃	0.22	≤ 75	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 3R6 334			0.33	≤ 75	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 3R6 474			0.47	≤ 50	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 5R5 224	5.5	-25~85℃	0.22	≤ 75							13.5	9.5	5.0
DCST 5R5 334			0.33	≤ 75							13.5	9.5	5.0
DCSH 6R3 224	6.3	-25~70℃	0.22	≤ 75							13.5	9.5	5.0
DCSH 6R3 334			0.33	≤ 75							13.5	9.5	5.0

■ DCSP Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCSP 5R5 224	5.5	-40~70℃	0.22	≤ 75	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCSP 5R5 334			0.33	≤ 75	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCSP 5R5 474			0.47	≤ 50	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0

›› DCL / DCLT / DCLH / DCLP Series

• DCL

V-TYPE

H-TYPE

C-TYPE

• DCLT (3.6V)

V-TYPE

H-TYPE

C-TYPE

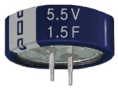
• DCLT (5.5V)

• DCLH

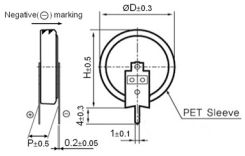
• DCLP

V-TYPE

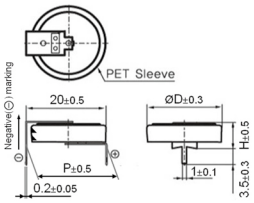
H-TYPE



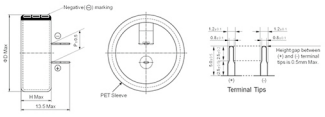
C-TYPE



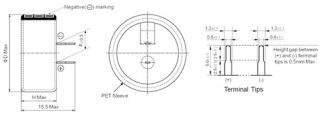
V-TYPE



H-TYPE



C-TYPE



C-TYPE (DCLT 5.5V, DCLH)

■ DCL Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCL 5R5 105	5.5	-25~70℃	1.0	≤ 30	19.0	19.5	5.0	19.0	6.5	20.0	21.5	7.5	5.0
DCL 5R5 155			1.5	≤ 30	19.0	19.5	5.0	19.0	6.5	20.0	21.5	7.5	5.0

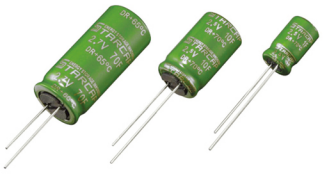
■ DCLT / DCLH Series

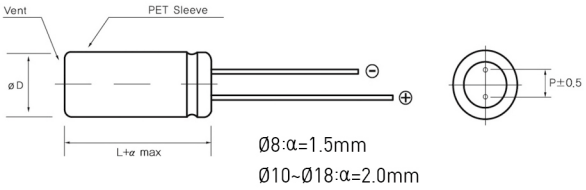
Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCLT 3R6 105	3.6	-25~85℃	1.0	≤ 30	19.0	19.5	5.0	19.0	6.5	20.0	21.5	7.5	5.0
DCLT 3R6 155			1.5	≤ 30	19.0	19.5	5.0	19.0	6.5	20.0	21.5	7.5	5.0
DCLT 5R5 474	5.5	-25~85℃	0.47	≤ 50							21.5	9.5	5.0
DCLT 5R5 684			0.68	≤ 50							21.5	9.5	5.0
DCLT 5R5 105			1.0	≤ 30							21.5	9.5	5.0
DCLH 6R3 474	6.3	-25~70℃	0.47	≤ 50							21.5	9.5	5.0
DCLH 6R3 684			0.68	≤ 50							21.5	9.5	5.0
DCLH 6R3 105			1.0	≤ 30							21.5	9.5	5.0

■ DCLP Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	V Type(mm)			H Type(mm)			C Type(mm)		
					ØD	H	P	ØD	H	P	ØD	H	P
DCLP 5R5 105	5.5	-40~70℃	1.0	≤ 30	19.0	19.5	5.0	19.0	6.5	20.0	21.5	7.5	5.0
DCLP 5R5 155			1.5	≤ 30	19.0	19.5	5.0	19.0	6.5	20.0	21.5	7.5	5.0

›› DR / DRL Series

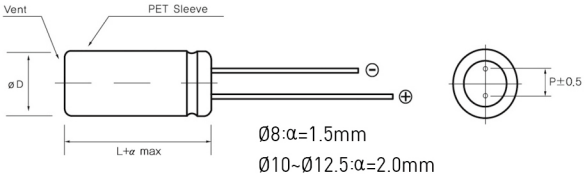




Ø8:α=1.5mm
Ø10~Ø18:α=2.0mm

Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	ØDxL (mm)	P (mm)
DR 2R5 105R	2.5	-25~70℃	1	≤ 0.300	Ø8 x 13	3.5
DR 2R5 305R			3	≤ 0.150	Ø8 x 20	3.5
DR 2R5 505R			5	≤ 0.120	Ø8 x 25	3.5
DR 2R5 505S			5	≤ 0.120	Ø10 x 20	5.0
DR 2R5 705L			7	≤ 0.100	Ø8 x 30	3.5
DR 2R5 705R			7	≤ 0.100	Ø10 x 20	5.0
DR 2R5 705D			7	≤ 0.100	Ø10 x 25	5.0
DR 2R5 106R			10	≤ 0.070	Ø10 x 25	5.0
DR 2R5 106RX			10	≤ 0.070	Ø10 x 30	5.0
DR 2R5 106S			10	≤ 0.070	Ø12.5 x 20	5.0
DR 2R5 156R			15	≤ 0.050	Ø12.5 x 25	5.0
DR 2R5 256R			25	≤ 0.030	Ø16 x 25	7.5
DR 2R5 356R			35	≤ 0.025	Ø16 x 35	7.5
DR 2R5 506R			50	≤ 0.021	Ø18 x 40	7.5
DR 2R5 706R			70	≤ 0.020	Ø18 x 40	7.5
DR 2R7 105R	2.7	-40~65℃	1	≤ 0.200	Ø8 x 13	3.5
DR 2R7 305R			3	≤ 0.075	Ø8 x 20	3.5
DR 2R7 505R			5	≤ 0.060	Ø8 x 25	3.5
DR 2R7 505S			5	≤ 0.060	Ø10 x 20	5.0
DR 2R7 705L			7	≤ 0.050	Ø8 x 30	3.5
DR 2R7 705R			7	≤ 0.050	Ø10 x 20	5.0
DR 2R7 705D			7	≤ 0.050	Ø10 x 25	5.0
DR 2R7 106R			10	≤ 0.035	Ø10 x 25	5.0
DR 2R7 106RX			10	≤ 0.035	Ø10 x 30	5.0
DR 2R7 106S			10	≤ 0.035	Ø12.5 x 20	5.0
DR 2R7 156R			15	≤ 0.030	Ø12.5 x 25	5.0
DR 2R7 256R			25	≤ 0.020	Ø16 x 25	7.5
DR 2R7 356R			35	≤ 0.018	Ø16 x 35	7.5
DR 2R7 506R			50	≤ 0.017	Ø18 x 40	7.5
DR 2R7 706R			70	≤ 0.016	Ø18 x 40	7.5
DRL 2R3 106	2.3	-25~65℃	10	≤ 0.160	Ø10 x 20	5.0
DRL 2R3 226			22	≤ 0.080	Ø10 x 30	5.0
DRL 2R3 306			30	≤ 0.060	Ø12.5 x 25	5.0
DRL 2R3 506			50	≤ 0.040	Ø16 x 25	7.5
DRL 2R3 706			70	≤ 0.030	Ø16 x 35	7.5
DRL 2R3 127			120	≤ 0.025	Ø18 x 40	7.5

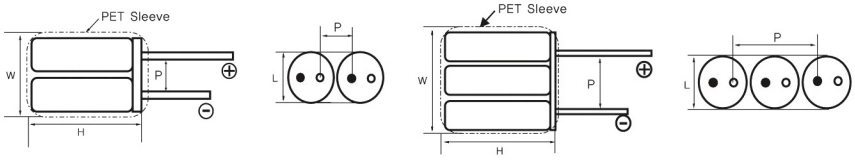
›› DR Series _ 3V



Ø8:α=1.5mm
Ø10~Ø12.5:α=2.0mm

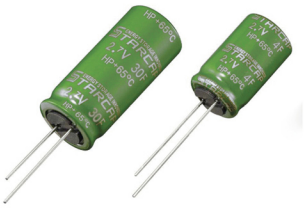
Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	ØDxL (mm)	P (mm)
DR 3R0 105	3.0	-40~65℃	1	≤ 0.200	Ø8 x 13	3.5
DR 3R0 305			3	≤ 0.075	Ø8 x 20	3.5
DR 3R0 505			5	≤ 0.060	Ø10 x 20	5.0
DR 3R0 705			7	≤ 0.050	Ø10 x 25	5.0
DR 3R0 106			10	≤ 0.035	Ø10 x 30	5.0
DR 3R0 156			15	≤ 0.030	Ø12.5 x 25	5.0

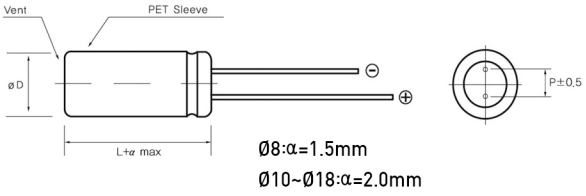
›› DRM Series



Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	WxLxH (mm)	P (mm)
DRMH 5R0 504	5.0	-25~70℃	0.5	≤ 0.600	16.5 x 8.0 x 14.0	5.0/12.0
DRMH 5R0 155			1.5	≤ 0.300	16.5 x 8.0 x 21.0	5.0/12.0
DRMH 5R0 255			2.5	≤ 0.240	16.5 x 8.0 x 26.0	5.0/12.0
DRMH 5R0 255S			2.5	≤ 0.240	20.5 x 10.0 x 21.0	5.3/15.3
DRMH 5R0 355L			3.5	≤ 0.200	16.5 x 8.0 x 31.0	5.0/12.0
DRMH 5R0 355			3.5	≤ 0.200	20.5 x 10.0 x 21.0	5.3/15.3
DRMH 5R0 355D			3.5	≤ 0.200	20.5 x 10.0 x 26.0	5.3/15.3
DRMH 5R0 505			5	≤ 0.150	20.5 x 10.0 x 26.0	5.3/15.3
DRMH 5R0 505RX			5	≤ 0.150	20.5 x 10.0 x 31.0	5.3/15.3
DRMH 5R0 505S			5	≤ 0.150	25.5 x 12.5 x 21.0	7.8/17.8
DRMH 5R0 755			7.5	≤ 0.110	25.5 x 12.5 x 26.0	7.8/17.8
DRML 5R4 504	5.4	-40~65℃	0.5	≤ 0.400	16.5 x 8.0 x 14.0	5.0/12.0
DRML 5R4 155			1.5	≤ 0.150	16.5 x 8.0 x 21.0	5.0/12.0
DRML 5R4 255			2.5	≤ 0.120	16.5 x 8.0 x 26.0	5.0/12.0
DRML 5R4 255S			2.5	≤ 0.120	20.5 x 10.0 x 21.0	5.3/15.3
DRML 5R4 355L			3.5	≤ 0.100	16.5 x 8.0 x 31.0	5.0/12.0
DRML 5R4 355			3.5	≤ 0.100	20.5 x 10.0 x 21.0	5.3/15.3
DRML 5R4 355D			3.5	≤ 0.100	20.5 x 10.0 x 26.0	5.3/15.3
DRML 5R4 505			5	≤ 0.080	20.5 x 10.0 x 26.0	5.3/15.3
DRML 5R4 505RX			5	≤ 0.080	20.5 x 10.0 x 31.0	5.3/15.3
DRML 5R4 505S			5	≤ 0.080	25.5 x 12.5 x 21.0	7.8/17.8
DRML 5R4 755			7.5	≤ 0.060	25.5 x 12.5 x 26.0	7.8/17.8
DRMH 7R5 334	7.5	-25~70℃	0.33	≤ 0.900	25.0 x 8.0 x 14.0	13.5
DRMH 7R5 105			1	≤ 0.450	25.0 x 8.0 x 21.0	13.5
DRMH 7R5 155			1.5	≤ 0.360	25.0 x 8.0 x 26.0	13.5
DRMH 7R5 155S			1.5	≤ 0.360	31.0 x 10.0 x 21.0	15.6
DRMH 7R5 205			2	≤ 0.300	31.0 x 10.0 x 21.0	15.6
DRMH 7R5 205D			2	≤ 0.300	31.0 x 10.0 x 26.0	15.6
DRMH 7R5 305			3	≤ 0.250	31.0 x 10.0 x 26.0	15.6
DRMH 7R5 305RX			3	≤ 0.250	31.0 x 10.0 x 31.0	15.6
DRMH 7R5 305S			3	≤ 0.250	38.5 x 12.5 x 21.0	20.6
DRMH 7R5 505			5	≤ 0.150	38.5 x 12.5 x 26.0	20.6
DRML 7R5 334		-40~65℃	0.33	≤ 0.600	25.0 x 8.0 x 14.0	13.5
DRML 7R5 105			1	≤ 0.225	25.0 x 8.0 x 21.0	13.5
DRML 7R5 155			1.5	≤ 0.180	25.0 x 8.0 x 26.0	13.5
DRML 7R5 155S			1.5	≤ 0.180	31.0 x 10.0 x 21.0	15.6
DRML 7R5 205			2	≤ 0.150	31.0 x 10.0 x 21.0	15.6
DRML 7R5 205D			2	≤ 0.150	31.0 x 10.0 x 26.0	15.6
DRML 7R5 305			3	≤ 0.100	31.0 x 10.0 x 26.0	15.6
DRML 7R5 305RX			3	≤ 0.100	31.0 x 10.0 x 31.0	15.6
DRML 7R5 305S			3	≤ 0.100	38.5 x 12.5 x 21.0	20.6
DRML 7R5 505			5	≤ 0.090	38.5 x 12.5 x 26.0	20.6

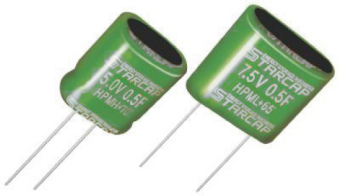
HP Series

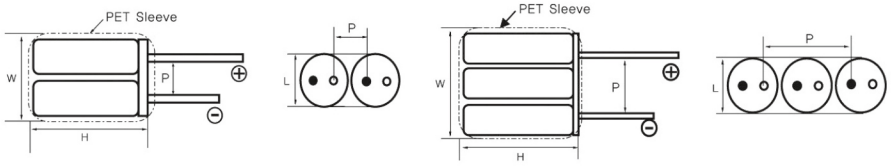




Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	ØDxL (mm)	P (mm)
HP 2R5 155	2.5	-25~70℃	1.5	≤ 0.125	Ø8 x 20	3.5
HP 2R5 205			2	≤ 0.110	Ø8 x 25	3.5
HP 2R5 305			3	≤ 0.090	Ø10 x 20	5.0
HP 2R5 405			4	≤ 0.080	Ø10 x 25	5.0
HP 2R5 555			5.5	≤ 0.050	Ø12.5 x 20	5.0
HP 2R5 805			8	≤ 0.035	Ø12.5 x 25	5.0
HP 2R5 156			15	≤ 0.025	Ø16 x 25	7.5
HP 2R5 206			20	≤ 0.020	Ø16 x 35	7.5
HP 2R5 306			30	≤ 0.015	Ø18 x 40	7.5
HP 2R7 155	2.7	-40~65℃	1.5	≤ 0.050	Ø8 x 20	3.5
HP 2R7 205			2	≤ 0.045	Ø8 x 25	3.5
HP 2R7 305			3	≤ 0.040	Ø10 x 20	5.0
HP 2R7 405			4	≤ 0.030	Ø10 x 25	5.0
HP 2R7 555			5.5	≤ 0.028	Ø12.5 x 20	5.0
HP 2R7 805			8	≤ 0.024	Ø12.5 x 25	5.0
HP 2R7 156			15	≤ 0.020	Ø16 x 25	7.5
HP 2R7 206			20	≤ 0.018	Ø16 x 35	7.5
HP 2R7 306			30	≤ 0.015	Ø18 x 40	7.5

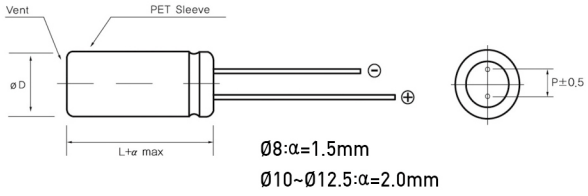
HPM Series





Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	WxLxH (mm)	P (mm)
HPMH 5R0 504	5.0	-25~70℃	0.5	≤ 0.250	16.5 x 8.0 x 21.0	5.0/12.0
HPMH 5R0 105			1	≤ 0.220	16.5 x 8.0 x 26.0	5.0/12.0
HPMH 5R0 155			1.5	≤ 0.180	20.5 x 10.0 x 21.0	5.3/15.3
HPMH 5R0 205			2	≤ 0.150	20.5 x 10.0 x 26.0	5.3/15.3
HPMH 5R0 255			2.5	≤ 0.100	25.5 x 12.5 x 21.0	7.8/17.8
HPMH 5R0 405			4	≤ 0.070	25.5 x 12.5 x 26.0	7.8/17.8
HPML 5R4 504	5.4	-40~65℃	0.5	≤ 0.100	16.5 x 8.0 x 21.0	5.0/12.0
HPML 5R4 105			1	≤ 0.090	16.5 x8.0 x 26.0	5.0/12.0
HPML 5R4 155			1.5	≤ 0.070	20.5 x 10.0 x 21.0	5.3/15.3
HPML 5R4 205			2	≤ 0.060	20.5 x 10.0 x 26.0	5.3/15.3
HPML 5R4 255			2.5	≤ 0.058	25.5 x 12.5 x 21.0	7.8/17.8
HPML 5R4 405			4	≤ 0.048	25.5 x 12.5 x 26.0	7.8/17.8
HPMH 7R5 504	7.5	-25~70℃	0.5	≤ 0.380	25.0 x 8.0 x 21.0	13.5
HPMH 7R5 684			0.68	≤ 0.350	25.0 x 8.0 x 26.0	13.5
HPMH 7R5 105			1	≤ 0.280	31.0 x 10.0 x 21.0	15.6
HPMH 7R5 155			1.5	≤ 0.160	38.5 x 12.5 x 21.0	20.6
HPMH 7R5 255			2.5	≤ 0.110	38.5 x 12.5 x 26.0	20.6
HPML 7R5 504		-40~65℃	0.5	≤ 0.150	25.0 x 8.0 x 21.0	13.5
HPML 7R5 684			0.68	≤ 0.140	25.0 x 8.0 x 26.0	13.5
HPML 7R5 105			1	≤ 0.125	31.0 x 10.0 x 21.0	15.6
HPML 7R5 155			1.5	≤ 0.085	38.5 x 12.5 x 21.0	20.6
HPML 7R5 255			2.5	≤ 0.075	38.5 x 12.5 x 26.0	20.6

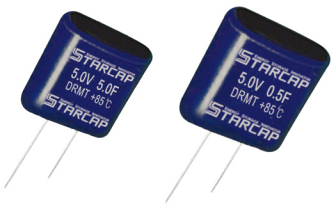
DRT Series

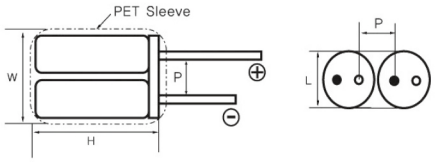


Ø8:α=1.5mm
Ø10~Ø12.5:α=2.0mm

Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	ØDxL (mm)	P (mm)
DRT 2R5 105	2.5	-40~85℃	1	≤ 0.200	Ø8 x 13	3.5
DRT 2R5 255			2.5	≤ 0.075	Ø8 x 20	3.5
DRT 2R5 305			3	≤ 0.075	Ø8 x 20	5.0
DRT 2R5 505			5	≤ 0.060	Ø10 x 20	5.0
DRT 2R5 705			7	≤ 0.050	Ø10 x 25	5.0
DRT 2R5 106			10	≤ 0.035	Ø10 x 30	5.0
DRT 2R5 156			15	≤ 0.030	Ø12.5 x25	5.0
DRT 2R5 226			22	≤ 0.020	Ø16 x 25	7.5
DRT 2R5 336			33	≤ 0.018	Ø16 x 35	7.5
DRT 2R5 506			50	≤ 0.017	Ø18 x 40	7.5

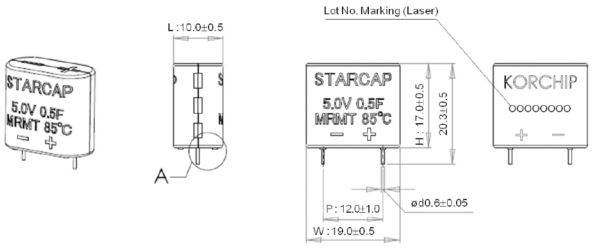
DRMT Series





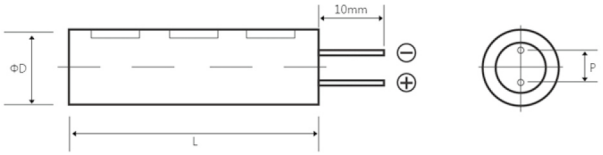
Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	WxLxH (mm)	P (mm)
DRMT 5R0 504	5.0	-40~85℃	0.5	≤ 0.400	16.5 x 8.0 x 14.0	5.0/12.0
DRMT 5R0 125			1.2	≤ 0.150	16.5 x 8.0 x 21.0	5.0/12.0
DRMT 5R0 155			1.5	≤ 0.150	16.5 x 8.0 x 21.0	5.0/12.0
DRMT 5R0 255			2.5	≤ 0.120	20.5 x 10.0 x 21.0	5.3/15.3
DRMT 5R0 355			3.5	≤ 0.100	20.5 x 10.0 x 26.0	5.3/15.3
DRMT 5R0 505			5.0	≤ 0.080	20.5 x 10.0 x 31.0	5.3/15.3
DRMT 5R0 755			7.5	≤ 0.060	25.5 x 12.5 x 26.0	7.8/17.8

MRMT Series



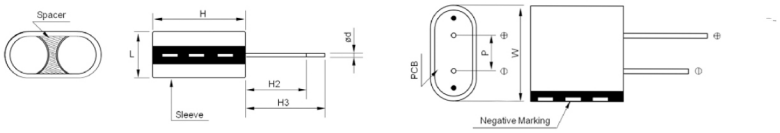
Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	WxLxH (mm)	P (mm)
MRMT 5R0 504	5.0	-40~85℃	0.5	≤ 0.400	19.0 x 10.0 x 17.0	12.0

SR / SRT Series



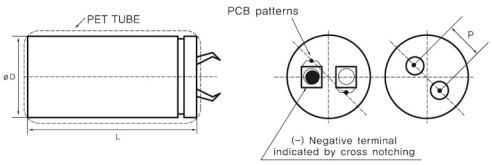
Part number	Operating voltage (V)	Operating temperature	Capacitance (F)	ESR (Ω, @1kHz)	ØDxL (mm)	P (mm)
SR 2R5 254	2.5	-25~70℃	0.25	≤ 0.5	Ø5 x 11	2.0
SR 2R5 604			0.6	≤ 1.2	Ø4 x 25	1.5
SR 2R5 105			1.0	≤ 0.9	Ø4 x 35	1.5
SR 2R5 125			1.2	≤ 0.45	Ø5 x 25	2.0
SR 2R5 205			2.0	≤ 0.3	Ø5 x 35	2.0
SR 2R7 254	2.7	-40~65℃	0.25	≤ 0.5	Ø5 x 11	2.0
SR 2R7 604			0.6	≤ 0.8	Ø4 x 25	1.5
SR 2R7 105			1.0	≤ 0.6	Ø4 x 35	1.5
SR 2R7 125			1.2	≤ 0.3	Ø5 x 25	2.0
SR 2R7 205			2.0	≤ 0.2	Ø5 x 35	2.0
SRT 2R5 304	2.5	-40~85℃	0.3	≤ 0.5	Ø4 x 25	1.5
SRT 2R5 454			0.45	≤ 0.35	Ø4 x 35	1.5
SRT 2R5 604			0.6	≤ 0.25	Ø5 x 25	2.0
SRT 2R5 904			0.9	≤ 0.12	Ø5 x 35	2.0

SRM Series



Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (Ω, @1kHz)	WxLxH (mm)	P (mm)
SRML 5R5 124	5.5	-40~70℃	0.12	≤ 1.0	12.0 x 5.0 x 12.5	5.0

DL Series



Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR (mΩ, @1kHz)	ESR (mΩ, DC)	Emax (Wh/kg)	Irated (A)	ØDxL (mm)	P (mm)
DL 2R5 107	2.5	-25~70℃	100	≤ 18	≤ 27	3.72	11	Ø22 x 45	10.0
DL 2R5 367			360	≤ 9	≤ 18	4.04	25	Ø35 x 60	10.0
DL 2R5 407E*			400	≤ 16	≤ 30	4.56	8	Ø35 x 60	10.0
DL 2R7 107	2.7	-40~60℃	100	≤ 9	≤ 14	4.82	20	Ø22 x 45	10.0
DL 2R7 367			360	≤ 5	≤ 8	5.47	45	Ø35 x 60	10.0
DL 2R7 407E*			400	≤ 12	≤ 25	5.87	15	Ø35 x 60	10.0

• DL 2R5 407E* and DL 2R7 407E* products are suitable for energy back-up application such as solar LED lamps.

›› STARCAP Modules

- Customized STARCAP modules are available.
- Table below shows some typical module products.

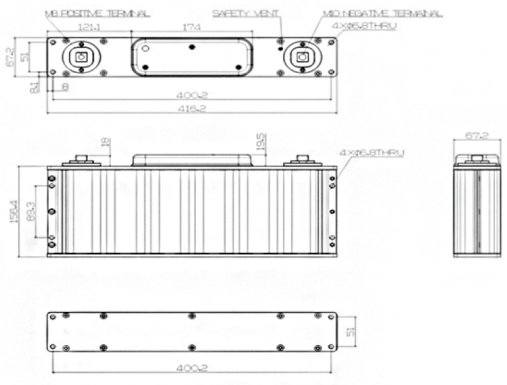
Part number	Operating voltage (V)	Capacitance (F)	Module Formation
MOD 015-166	15	16	DL 2R7 107 (or DL 2R5 107) x 6 in series
MOD 015-606		60	DL 2R7 367 (or DL 2R5 367) x 6 in series
MOD 030-805	30	8	DL 2R7 107 (or DL 2R5 107) x 12 in series
MOD 030-306		30	DL 2R7 367 (or DL 2R5 367) x 12 in series
MOD 050-505	50	5	DL 2R7 107 (or DL 2R5 107) x 20 in series
MOD 050-186		18	DL 2R7 367 (or DL 2R5 367) x 20 in series

›› DLX Series

Part number	Operating voltage(V)	Operating Temperature	Capacitance(F)	ESR		Dimension (mm, not to scale)					
				(mΩ, @100Hz)	(mΩ, DC)	D0 (±0.3)	D1 (±0.7)	D2 (±0.1)	D3	H (±0.1)	L (±0.5)
DLX 2R7 308S	2.7	-40~65℃	3,000	≤ 0.22	≤ 0.23	Ø60	Ø60.7	Ø25	M16, P1.0	4.0	138.0
DLX 2R7 308L			3,000	≤ 0.22	≤ 0.23	Ø60	Ø60.7	Ø25	M16, P2.0	14.0	138.0
DLX 2R7 308W*			3,000	≤ 0.22	≤ 0.23	Ø60	Ø60.7	Ø25	Ø14	3.18(±0.125)	138.0

- 'W' means welded type terminal

›› STARCAP Modules



Part number	Operating voltage (V)	Operating Temperature	Capacitance (F)	ESR (mΩ, DC)	Dimension (mm, not to scale)		
					length	width	height
MOD 016-507ST	16.2	-40~65℃	500	≤ 1.7	416.2±1.0	67.2±1.0	175.9±1.0

General STARCAP Application Matrix

	RTC, Memory or System Back-up Power	Sub Power with other Power Sources	Main Power
Extra Small Size	Smart Phone, GPS Module, Digital Camera, Digital Photo Frame, Digital Thermometer	Motor Drive, Pulse Power, AMR, LED Flash Light	Small Motor Drive, Touch Pen, Digital Locker
	SM / DMS / SRM Series 3.3V, 5.5V 0.033~0.22F	SR / SRM Series 2.5V, 2.7V, 5.5V 0.60~2.0F	SR / SRM Series 2.5V, 2.7V, 5.5V 0.60~2.0F
Small Size	AV, VCR, DVD Drive, Car Audio, Rice Cooker, Printer, Energy Meter, Industrial Machine Controller		Bike Tail Lamp, Flash Lights, Remote Controller
	DCM/DCS/DCL Series 3.6V ~ 6.3V 0.047~1.5F		DCM/DCS/DCL Series 3.6V ~ 6.3V 0.047F ~ 1.5F
Medium Size	Smart Phone, GPS Module, Digital Camera, Digital Photo Frame, Digital Thermometer	Motor Drive, Pulse Power, AMR, LED Flash Light	Small Motor Drive, Touch Pen, Digital Locker
	SM / DMS Series 3.3V 0.033~0.22F	SR Series 2.5V, 2.7V 0.60~2.0F	SR Series 2.5V, 2.7V 0.60~2.0F
Large Size		Copier, Car Idling Stop and Go, Electric Vehicle	Smart Grid Energy Storage, Wind Turbine Pitch Control, UPS, SAG Protector, Truck Cold Cranking
		DL / DLX Series, Modules 2.5V, 2.7V 100F, 360F and above	DL / DLX Series, Modules 2.5V, 2.7V 100F, 360F and above

- This Product Catalog is Released on Jan. 1, 2021
  All specifications in this catalog are subject to change without notice for market demands and technical improvement.

Green Certification

Green Certification is a national certification system by Korean government certifying a green technology or a promising green project to clearly stipulate the object and scope of supporting green investment and concentrate on investment as part of the government's "Low Carbon Green Growth" Policy.

KORCHIP CORP.

Korchip B/D, 359, Manan-ro, Manan-gu, Anyang-si, Gyeonggi-do, 13966, Korea

Tel : 82-31-361-8031~5 **Fax** : 82-31-361-8080
E-mail : starcap@korchip.com

www.korchip.com