

IX7

HIGH DC FILM CAPACITORS

IGBT防振器コンデンサ
カスタム設計可能



主な特性

- 自己回復性能を持つ金属化ポリプロピレンフィルム
- テープラップとエポキシ樹脂充填剤ケース
- エポキシ樹脂を充填



主なアプリケーション

- 防振器
- 中圧、高電流、高パルスアプリケーション
- 電力の半導体回路のエネルギー変換と制御
- SMPS、スイッチング応用、モータ速度制御



仕様



DC電圧範囲	700~10000 V
静電容量範囲	最大 6 μ F
静電容量公差 (AT 1kHz)	標準: $\pm 10\%$, 要望時は $\pm 5\%$
等価直列抵抗 (ESR)	$< 4.5 \text{ m}\Omega$
最大電圧上昇率(dV/dT)	$\leq 3000 \text{ V}/\mu\text{s}$
端子	スズメッキ銅ラグ
電圧試験	定格電圧X 1.5倍で10秒間
作業および保管温度	$-55 / +85 \text{ }^{\circ}\text{C}$
充填	難燃性エポキシ樹脂で充填
保護メカニズム	自己回復機能
正方形のプラスチックケース	PBTの正方形ボックス
期待寿命	100,000 HOURS TYP.
はんだ耐熱性試験	自己回復機能
誘電係数	DF値 $\leq 0.05 \%$, $25 \pm 5^{\circ}\text{C}$ で測定、1 kHz
絶縁抵抗(RINS)	$C \leq 0.33\mu\text{F} \geq 100,000\text{M}\Omega$, $C > 0.33\mu\text{F} \geq 30,000 \text{ SEC} (\text{M}\Omega \times \mu\text{F})$ AT $25 \pm 5^{\circ}\text{C}$, 250VDCで1分間の電化後

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発注情報

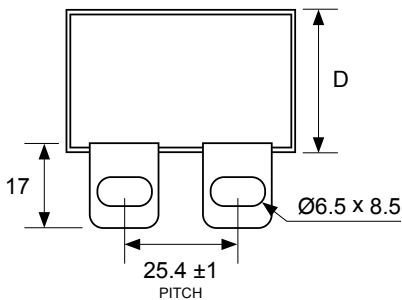
PRODUCTS NAME _____ (2)W x (2)D x (2)H _____ TOLERANCE _____
IX7 - 000 - 000000 - 000 - □
RATED VOLTAGE _____ CAPACITANCE _____

ALL OF SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRENOTICE.



寸法[MM]

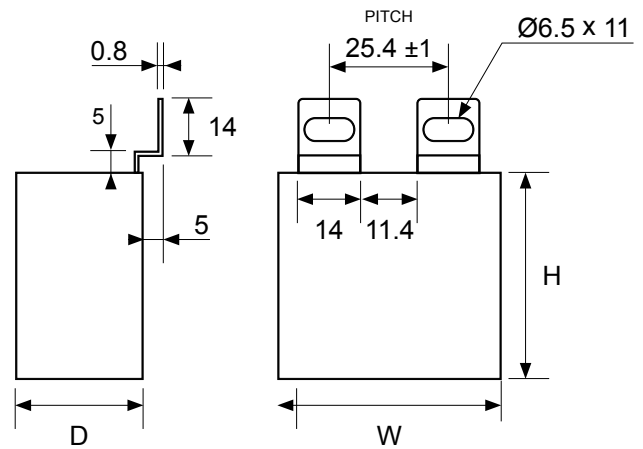
| TYPE - A



W	P
43	25.4
45	25.4
57	25.4
68	25.4

* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAI
LABLE

| TYPE - B



W	P
43	25.4
45	25.4
57	25.4
68	25.4

* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAI
LABLE

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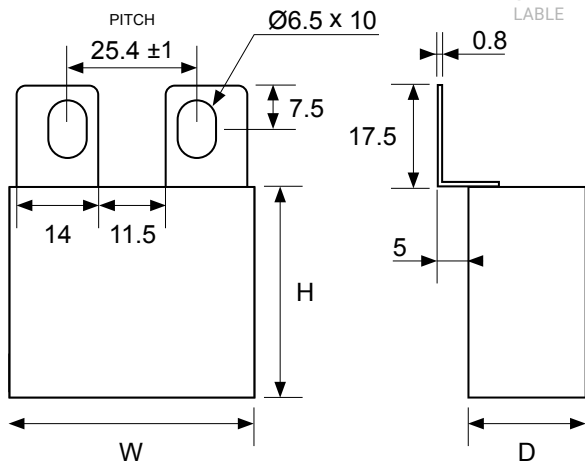


寸法[MM]

| TYPE - C

W	P
43	25.4
45	25.4
57	25.4
68	25.4

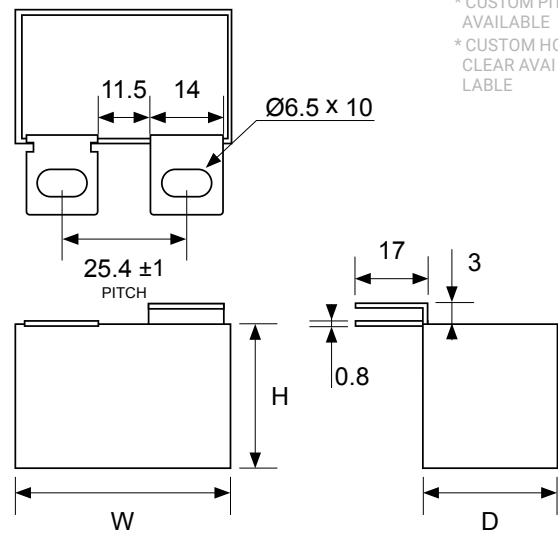
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - D

W	P
43	25.4
45	25.4
57	25.4
68	25.4

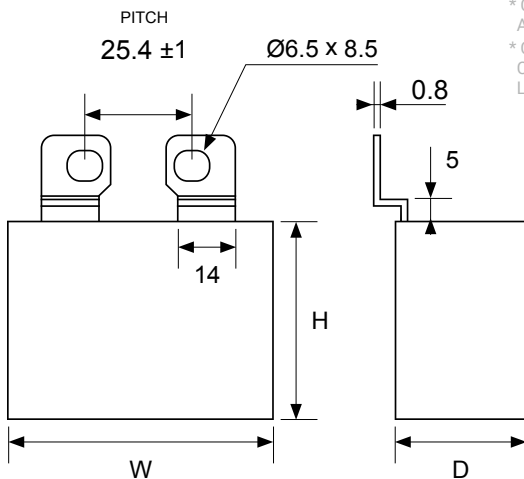
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - E

W	P
43	25.4
45	25.4
57	25.4
68	25.4

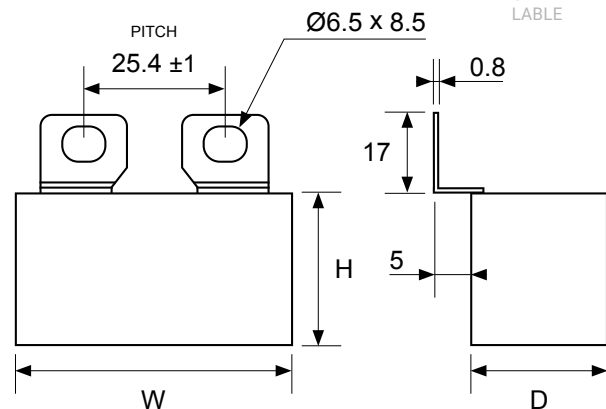
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - F

W	P
43	25.4
45	25.4
57	25.4
68	25.4

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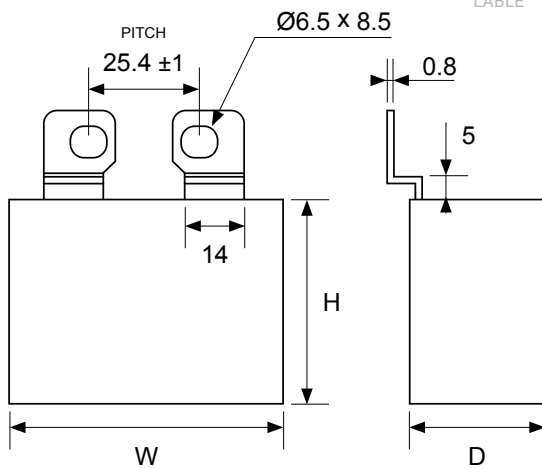


寸法[MM]

| TYPE - C

W	P
43	25.4
45	25.4
57	25.4
68	25.4

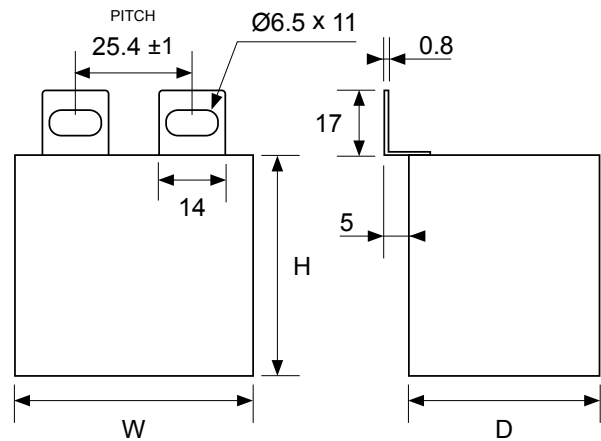
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - D

W	P
43	25.4
45	25.4
57	25.4
68	25.4

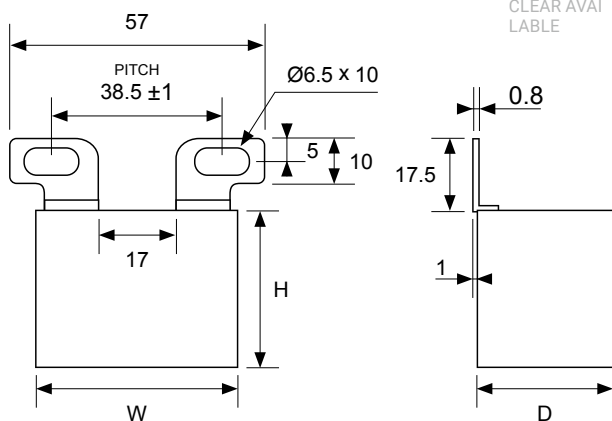
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - E

W	P
43	25.4
45	25.4
57	25.4
68	25.4

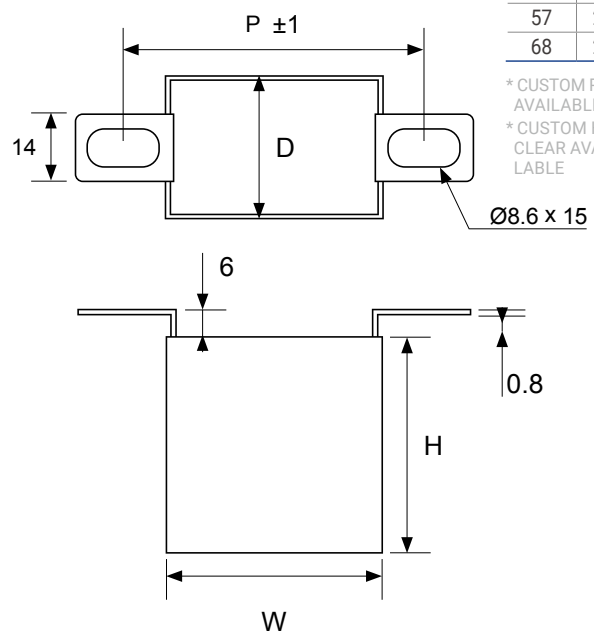
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - F

W	P
43	25.4
45	25.4
57	25.4
68	25.4

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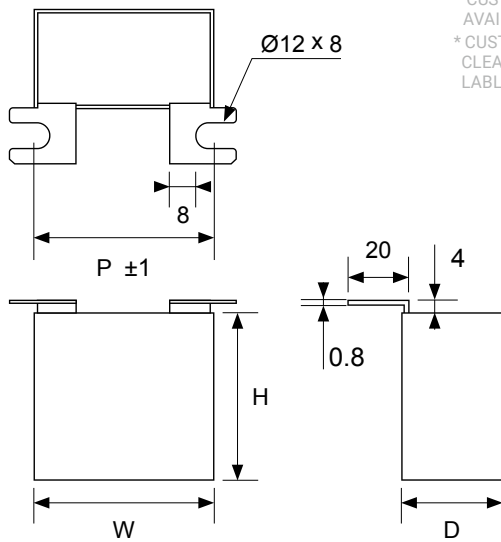


⚡ 寸法[MM]

| TYPE - C

W	P
43	43
45	45
57	57
68	68

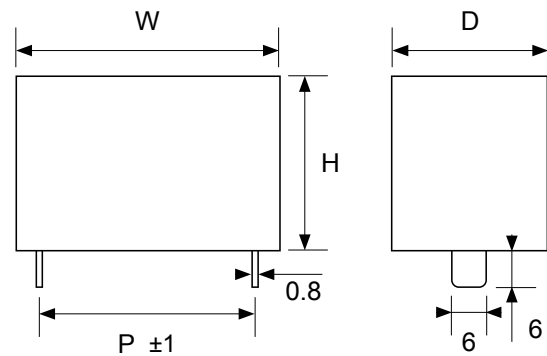
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - D

W	P
43	35
45	37
57	49
68	60

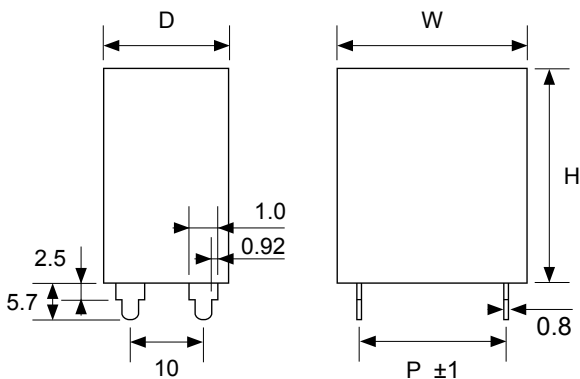
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - E

W	P
43	35
45	37
57	49
68	60

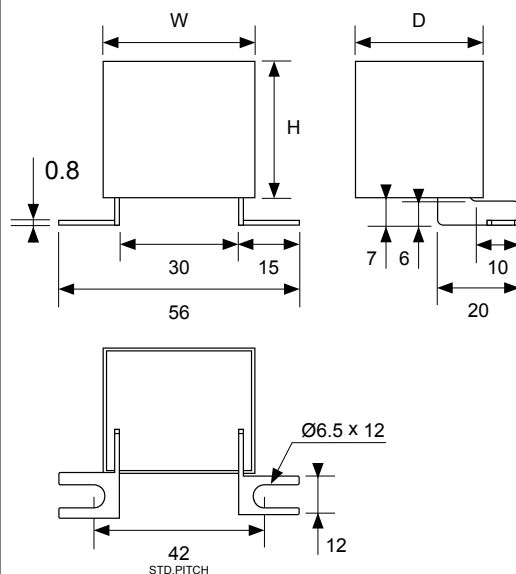
* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



| TYPE - F

W	P
43	42
45	42
57	42
68	42

* CUSTOM PITCH
AVAILABLE
* CUSTOM HOLES
CLEAR AVAIL
ABLE



*CUSTOM PITCH AVAILABLE

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700VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
700	1000	0.33	17	28	42.5	25.4	198.0	IX7-070-172842-334-K
700	1000	0.47	17	28	42.5	25.4	282.0	IX7-070-172842-474-K
700	1000	0.68	17	28	42.5	25.4	408.0	IX7-070-172842-684-K
700	1000	1	24	31.4	41.5	25.4	600.0	IX7-070-243141-105-K
700	1000	1.2	24	31.4	41.5	25.4	720.0	IX7-070-243141-125-K
700	1000	1.5	24	31.4	41.5	25.4	900.0	IX7-070-243141-155-K
700	1000	2	34	36	45	25.4	900.0	IX7-070-343645-205-K
700	1000	2.2	34	36	45	25.4	990.0	IX7-070-343645-225-K
700	1000	2.5	34	36	45	25.4	1125.0	IX7-070-343645-255-K
700	1000	3	34	36	45	25.4	1350.0	IX7-070-343645-305-K
700	1000	3.3	34	45	45	25.4	1485.0	IX7-070-344545-335-K
700	1000	4	34	45	45	25.4	1800.0	IX7-070-344545-405-K
700	1000	4.7	42	47	45	25.4	2115.0	IX7-070-424745-475-K
700	1000	5	42	47	45	25.4	2250.0	IX7-070-424745-505-K
700	1000	5.5	35	50	57	25.4	1650.0	IX7-070-355057-555-K
700	1000	6	38	54	57	25.4	1800.0	IX7-070-385457-605-K
700	1000	7	50	55	57	25.4	2100.0	IX7-070-505557-705-K
700	1000	8	50	55	57	25.4	2400.0	IX7-070-505557-805-K
700	1000	9	50	55	57	25.4	2700.0	IX7-070-505557-905-K

**CAPACITANCE AND THREADS TERMINAL AVAILABLE AS CUSTOM.

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00μS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.

(3) MEASURED AT 1KHz ±20HZ AT 25°C

(4) THIS PITCH DIMENSIONS APPLIES ONLY TO STANDARD MODELS.

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850VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
850	1300	0.33	17	28	42.5	25.4	264.0	IX7-085-172842-334-K
850	1300	0.47	17	28	42.5	25.4	376.0	IX7-085-172842-474-K
850	1300	0.68	17	28	42.5	25.4	544.0	IX7-085-172842-684-K
850	1300	1	24	31.4	41.5	25.4	800.0	IX7-085-243141-105-K
850	1300	1.2	24	31.4	41.5	25.4	960.0	IX7-085-243141-125-K
850	1300	1.5	34	36	45	25.4	750.0	IX7-085-343645-155-K
850	1300	2	34	36	45	25.4	1000.0	IX7-085-343645-205-K
850	1300	2.2	34	36	45	25.4	1100.0	IX7-085-343645-225-K
850	1300	2.5	34	45	45	25.4	1250.0	IX7-085-344545-255-K
850	1300	3	34	45	45	25.4	1500.0	IX7-085-344545-305-K
850	1300	3.3	42	47	45	25.4	1650.0	IX7-085-424745-335-K
850	1300	4	42	47	45	25.4	2000.0	IX7-085-424745-405-K
850	1300	4.7	35	50	57	25.4	1645.0	IX7-085-355057-475-K
850	1300	5	38	54	57	25.4	1750.0	IX7-085-385457-505-K
850	1300	5.5	38	54	57	25.4	1925.0	IX7-085-385457-555-K
850	1300	6	50	55	57	25.4	2100.0	IX7-085-505557-605-K
850	1300	7	50	55	57	25.4	2450.0	IX7-085-505557-705-K

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1000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
1000	1550	0.33	17	28	42.5	25.4	280.5	IX7-100-172842-334-K
1000	1550	0.47	17	28	42.5	25.4	399.5	IX7-100-172842-474-K
1000	1550	0.68	24	31.4	41.5	25.4	578.0	IX7-100-243141-684-K
1000	1550	1	24	31.4	41.5	25.4	850.0	IX7-100-243141-105-K
1000	1550	1.2	34	36	45	25.4	660.0	IX7-100-343645-125-K
1000	1550	1.5	34	36	45	25.4	825.0	IX7-100-343645-155-K
1000	1550	2	42	47	45	25.4	1100.0	IX7-100-424745-205-K
1000	1550	2.2	42	47	45	25.4	1210.0	IX7-100-424745-225-K
1000	1550	2.5	42	47	45	25.4	1375.0	IX7-100-424745-255-K
1000	1550	3	42	47	45	25.4	1650.0	IX7-100-424745-305-K
1000	1550	3.3	35	50	57	25.4	1320.0	IX7-100-355057-335-K
1000	1550	4	35	50	57	25.4	1600.0	IX7-100-355057-405-K
1000	1550	4.7	38	54	57	25.4	1880.0	IX7-100-385457-475-K
1000	1550	5	38	54	57	25.4	2000.0	IX7-100-385457-505-K
1000	1550	5.5	50	55	57	25.4	2200.0	IX7-100-505557-555-K
1000	1550	6	50	55	57	25.4	2400.0	IX7-100-505557-605-K

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1250VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
1250	1800	0.22	17	28	42.5	25.4	242.0	IX7-125-172842-224-K
1250	1800	0.33	17	28	42.5	25.4	363.0	IX7-125-172842-334-K
1250	1800	0.47	17	28	42.5	25.4	517.0	IX7-125-172842-474-K
1250	1800	0.68	24	31.4	41.5	25.4	748.0	IX7-125-243141-684-K
1250	1800	1	34	36	45	25.4	700.0	IX7-125-343645-105-K
1250	1800	1.2	34	36	45	25.4	840.0	IX7-125-343645-125-K
1250	1800	1.5	34	36	45	25.4	1050.0	IX7-125-343645-155-K
1250	1800	2	34	45	45	25.4	1400.0	IX7-125-344545-205-K
1250	1800	2.2	42	47	45	25.4	1540.0	IX7-125-424745-225-K
1250	1800	2.5	42	47	45	25.4	1750.0	IX7-125-424745-255-K
1250	1800	3	35	50	57	25.4	1500.0	IX7-125-355057-305-K
1250	1800	3.3	38	54	57	25.4	1650.0	IX7-125-385457-335-K
1250	1800	4	38	54	57	25.4	2000.0	IX7-125-385457-405-K
1250	1800	4.7	50	55	57	25.4	2350.0	IX7-125-505557-475-K
1250	1800	5	50	55	57	25.4	2500.0	IX7-125-505557-505-K

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1600VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
1600	2400	0.15	17	28	42.5	25.4	180.0	IX7-160-172842-154-K
1600	2400	0.22	17	28	42.5	25.4	264.0	IX7-160-172842-224-K
1600	2400	0.33	24	31.4	41.5	25.4	396.0	IX7-160-243141-334-K
1600	2400	0.47	24	31.4	41.5	25.4	564.0	IX7-160-243141-474-K
1600	2400	0.68	34	36	45	25.4	544.0	IX7-160-343645-684-K
1600	2400	1	34	36	45	25.4	800.0	IX7-160-343645-105-K
1600	2400	1.2	34	45	45	25.4	960.0	IX7-160-344545-125-K
1600	2400	1.5	42	47	45	25.4	1200.0	IX7-160-424745-155-K
1600	2400	2	35	50	57	25.4	1200.0	IX7-160-355057-205-K
1600	2400	2.2	38	54	57	25.4	1320.0	IX7-160-385457-225-K
1600	2400	2.5	38	54	57	25.4	1500.0	IX7-160-385457-255-K
1600	2400	3	50	55	57	25.4	1800.0	IX7-160-505557-305-K
1600	2400	3.3	50	55	57	25.4	1980.0	IX7-160-505557-335-K

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(3) MEASURED AT 1KHz ±20HZ AT 25°C

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2000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
2000	3000	0.1	17	28	42.5	25.4	130.0	IX7-200-172842-104-K
2000	3000	0.15	17	28	42.5	25.4	195.0	IX7-200-172842-154-K
2000	3000	0.22	17	28	42.5	25.4	286.0	IX7-200-172842-224-K
2000	3000	0.33	24	31.4	41.5	25.4	429.0	IX7-200-243141-334-K
2000	3000	0.47	34	36	45	25.4	399.5	IX7-200-343645-474-K
2000	3000	0.68	34	36	45	25.4	578.0	IX7-200-343645-684-K
2000	3000	1	42	47	45	25.4	850.0	IX7-200-424745-105-K
2000	3000	1.2	42	47	45	25.4	1020.0	IX7-200-424745-125-K
2000	3000	1.5	35	50	57	25.4	975.0	IX7-200-355057-155-K
2000	3000	2	50	55	57	25.4	1300.0	IX7-200-505557-205-K
2000	3000	2.2	50	55	57	25.4	1430.0	IX7-200-505557-225-K

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(3) MEASURED AT 1KHz ±20HZ AT 25°C

(4) THIS PITCH DIMENSIONS APPLIES ONLY TO STANDARD MODELS.

3RLAB PROVIDE VARIOUS TYPES OF CAPACITORS. PLEASE CHECK THE OTHER TERMINAL STYLE MODEL DIMENSIONS PAGE.

IX7

HIGH DC FILM CAPACITORS

IGBT防振器コンデンサ
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3000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
3000	4500	0.047	17	28	42.5	25.4	75.2	IX7-300-172842-473-K
3000	4500	0.068	17	28	42.5	25.4	108.8	IX7-300-172842-683-K
3000	4500	0.1	17	28	42.5	25.4	160.0	IX7-300-172842-104-K
3000	4500	0.15	24	31.4	41.5	25.4	240.0	IX7-300-243141-154-K
3000	4500	0.22	34	36	45	25.4	220.0	IX7-300-343645-224-K
3000	4500	0.33	34	36	45	25.4	330.0	IX7-300-343645-334-K
3000	4500	0.47	34	45	45	25.4	470.0	IX7-300-344545-474-K
3000	4500	0.68	35	50	57	25.4	578.0	IX7-300-355057-684-K
3000	4500	1	50	55	57	25.4	850.0	IX7-300-505557-105-K
3000	4500	1.2	50	55	68	25.4	960.0	IX7-300-505568-125-K

**CAPACITANCE AND THREADS TERMINAL AVAILABLE AS CUSTOM.

(1) NON-REPETITIVE PEAK VOLTAGE LESS THAN 00μS TYP.

(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.

(3) MEASURED AT 1KHz ±20HZ AT 25°C

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HIGH DC FILM CAPACITORS

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4000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
4000	6000	0.022	17	28	42.5	CUSTOM	41.8	IX7-400-172842-223-K
4000	6000	0.033	17	28	42.5	CUSTOM	62.7	IX7-400-172842-333-K
4000	6000	0.047	24	31.4	41.5	CUSTOM	89.3	IX7-400-243141-473-K
4000	6000	0.068	24	31.4	41.5	CUSTOM	129.2	IX7-400-243141-683-K
4000	6000	0.1	24	31.4	41.5	CUSTOM	190.0	IX7-400-243141-104-K
4000	6000	0.15	34	36	45	CUSTOM	195.0	IX7-400-343645-154-K
4000	6000	0.22	34	45	45	CUSTOM	286.0	IX7-400-344545-224-K
4000	6000	0.33	35	50	57	CUSTOM	429.0	IX7-400-355057-334-K
4000	6000	0.47	50	55	57	CUSTOM	611.0	IX7-400-505557-474-K
4000	6000	0.68	50	55	68	CUSTOM	680.0	IX7-400-505568-684-K

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(2) NON-REPETITIVE PEAK CURRENT LESS THAN 00μS TYP.

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HIGH DC FILM CAPACITORS

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5000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
5000	7000	0.015	17	28	42.5	CUSTOM	33.0	IX7-500-172842-153-K
5000	7000	0.022	17	28	42.5	CUSTOM	48.4	IX7-500-172842-223-K
5000	7000	0.033	17	28	42.5	CUSTOM	72.6	IX7-500-172842-333-K
5000	7000	0.047	24	31.4	41.5	CUSTOM	103.4	IX7-500-243141-473-K
5000	7000	0.068	34	36	45	CUSTOM	102.0	IX7-500-343645-683-K
5000	7000	0.1	34	36	45	CUSTOM	150.0	IX7-500-343645-104-K
5000	7000	0.15	34	45	45	CUSTOM	225.0	IX7-500-344545-154-K
5000	7000	0.22	35	50	57	CUSTOM	330.0	IX7-500-355057-224-K
5000	7000	0.33	50	55	57	CUSTOM	495.0	IX7-500-505557-334-K
5000	7000	0.47	50	55	68	CUSTOM	564.0	IX7-500-505568-474-K

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HIGH DC FILM CAPACITORS

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8000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
8000	11500	0.0033	17	28	42.5	CUSTOM	8.3	IX7-800-172842-332-K
8000	11500	0.0047	17	28	42.5	CUSTOM	11.8	IX7-800-172842-472-K
8000	11500	0.0068	17	28	42.5	CUSTOM	17.0	IX7-800-172842-682-K
8000	11500	0.01	24	31.4	41.5	CUSTOM	25.0	IX7-800-243141-103-K
8000	11500	0.015	24	31.4	41.5	CUSTOM	37.5	IX7-800-243141-153-K
8000	11500	0.022	34	36	45	CUSTOM	37.4	IX7-800-343645-223-K
8000	11500	0.033	42	47	45	CUSTOM	56.1	IX7-800-424745-333-K
8000	11500	0.047	35	50	57	CUSTOM	79.9	IX7-800-355057-473-K
8000	11500	0.068	35	50	57	CUSTOM	115.6	IX7-800-355057-683-K
8000	11500	0.1	50	55	57	CUSTOM	170.0	IX7-800-505557-104-K
8000	11500	0.15	50	55	68	CUSTOM	210.0	IX7-800-505568-154-K

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10000VDC, RATED VOLTAGE								
VOLTAGE [V]		CAP ⁽³⁾	DIMENSIONS[mm]				CURRENT	ORDERING CODE
VDC	V -PEAK ⁽¹⁾	μF	D	W	H	PITCH ⁽⁴⁾	I-PEAK ⁽²⁾ [kA]	
10000	14000	0.0022	17	28	42.5	CUSTOM	6.2	IX7-10K-172842-222-K
10000	14000	0.0033	17	28	42.5	CUSTOM	9.2	IX7-10K-172842-332-K
10000	14000	0.0047	17	28	42.5	CUSTOM	13.2	IX7-10K-172842-472-K
10000	14000	0.0068	24	31.4	41.5	CUSTOM	19.0	IX7-10K-243141-682-K
10000	14000	0.01	24	31.4	41.5	CUSTOM	28.0	IX7-10K-243141-103-K
10000	14000	0.015	34	36	45	CUSTOM	30.0	IX7-10K-343645-153-K
10000	14000	0.022	42	47	45	CUSTOM	44.0	IX7-10K-424745-223-K
10000	14000	0.033	35	50	57	CUSTOM	66.0	IX7-10K-355057-333-K
10000	14000	0.047	35	50	57	CUSTOM	94.0	IX7-10K-355057-473-K
10000	14000	0.068	50	55	57	CUSTOM	136.0	IX7-10K-505557-683-K
10000	14000	0.1	50	55	68	CUSTOM	160.0	IX7-10K-505568-104-K

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ALL INFORMATION ON THIS FILE IS SUBJECT TO CHANGE WITHOUT PRE-NOTICE.

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