



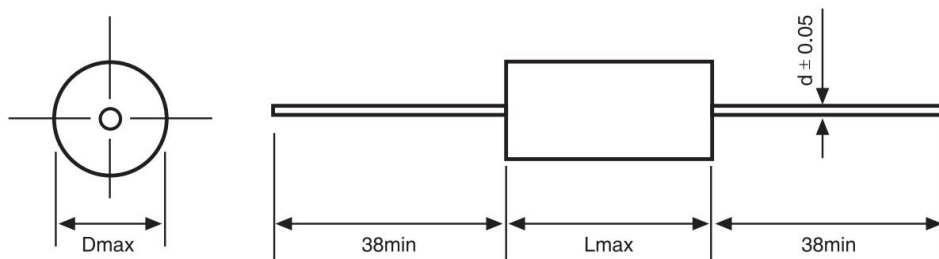
## 金属化聚酯膜轴向电容器 CL20 (MEA, MET)

### Metallized Polyester Film Capacitor –Axial Type: CL20

为无感结构，用金属化聚酯膜作为电介质/电极绕制而成，导线采用镀锡铜包钢线（或软线），外层用聚酯胶带包裹，两端用氧树脂密封。

Are non-inductively wound with metallized polyester film as dielectric/electrode with copper-clad steel leas or flexible cord and outer wrapping of polyester end sealed with epoxy resin.

#### ◆ 外形图: Outline Drawing:



#### ◆ 特性:

- 无感式结构和具有自愈性
- 小型化、节约空间
- 损耗因素小，绝缘电阻高
- 电容器的稳定性和可靠性高

#### ◆ Features:

- Non-inductive construction and self-healing property
- Space-Saving small size
- Low dissipation factor and high insulation resistance.
- High stability of capacitance and reliability.

#### ◆ 主要用途:

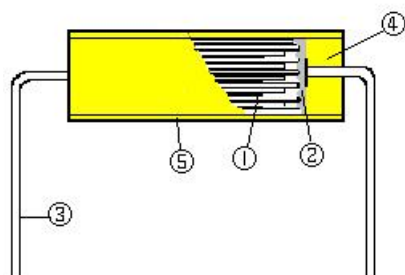
- 旁路、隔直、耦合、退耦。
- 滤波、整流、计时电路中。
- 远程通讯、数据处理、工业仪表、自动控制系统的设备中广泛运用。

#### ◆ Typical Applications:

- By-passing, blocking, coupling, decoupling.
- Filtering, by-pass and timing circuits.
- Remote communication, data processing, industrial instruments, automatic control system of the equipment is widely used.

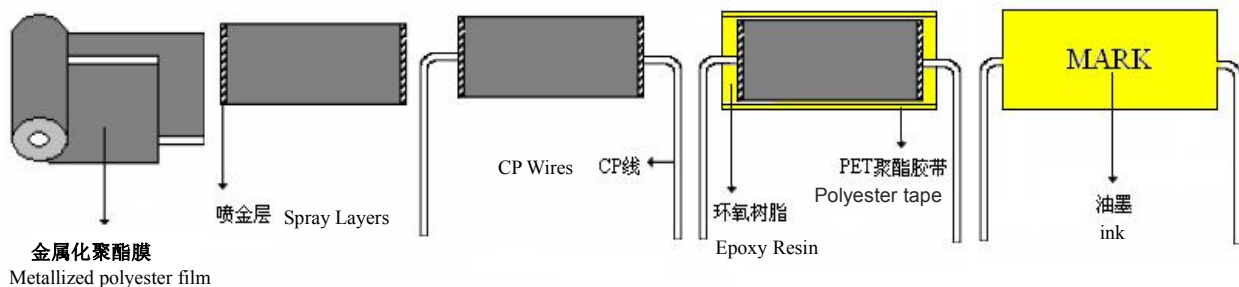
#### ◆ 结构图:

structure chart:



- ① 金属化聚酯薄膜
- ② 喷金层
- ③ CP 线
- ④ 灌封环氧树脂
- ⑤ PET 聚脂胶带

- Metallized polyester film
- Spray Layers
- CP Wires
- Potting epoxy resin
- PET - Polyester tape



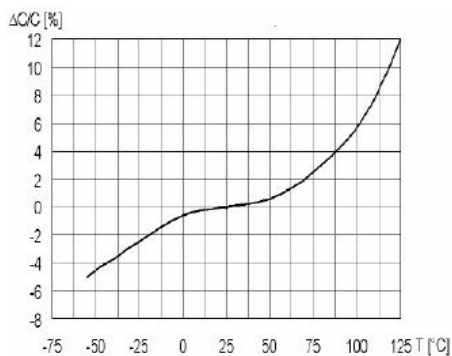
◆ 性能说明：  
**Specification:**

参考标准 Reference Standards:	GB7334-87 (IEC 60384-2)
额定电压 Rated Voltage(UR):	100VDC; 250VDC; 400VDC; 630VDC; 1000VDC
气候类别 Climate Category	55/125/21
额定温度 Rated Temperature	85°C
温度范围 Operation Temperature Range:	-55°C - +125°C
电容量范围 Capacitance Range:	0.001 μ F – 100 μ F
电容量偏差范围 Capacitance Tolerance Range:	J(±5%); K(±10%); M (±20%)
电介质 Dielectric:	聚脂膜 Polyester Film
损耗角正切 Dissipation Factor Tan δ :	≤1.0% (1KHz) (20°C ±5°C)
绝缘电阻, 在引出端之间 20±5°C 1Min Insulation Resistance:Between Terminals:	100VDC: CR≤0.33μF                    ≥30000M Ω CR>0.33μF                                ≥10000 M Ω · S
耐电压 Withstand Voltage:	1.6UR(5S)
寿命试验 Life. Test Conditions:	85±2°C, 1.25UR, 1,000Hours 电容变化率: 初始值的 ≤±15% Capacitance Drift: ≤±15% of The Initial Value 损耗角正切 ≤原测量值的 200% (10KHz) Dissipation Factor                    ≤200% (1KHz)

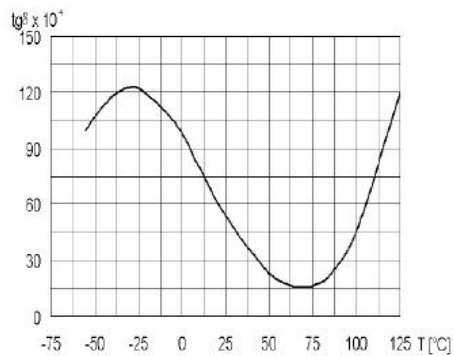


### ◆ 聚酯膜电容器特性曲线:

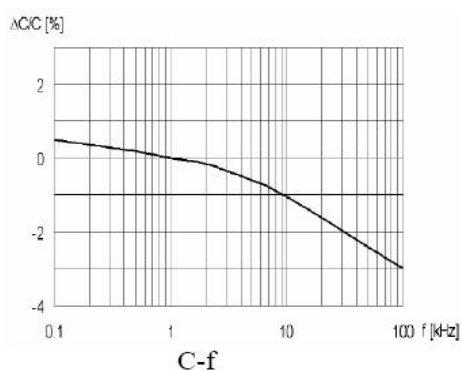
Polyester film capacitor characteristic curve:



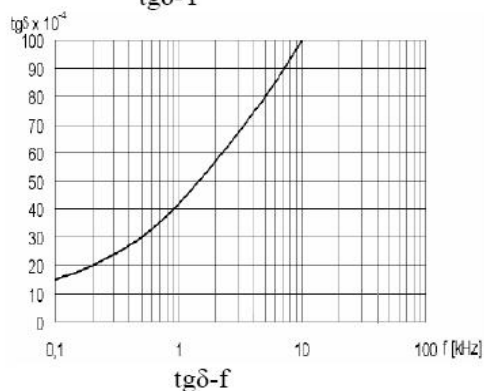
C-T



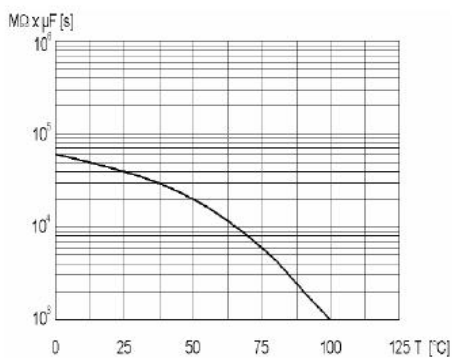
$\text{tg}\delta$ -T



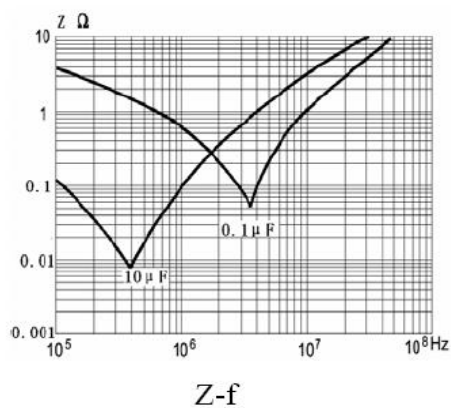
C-f



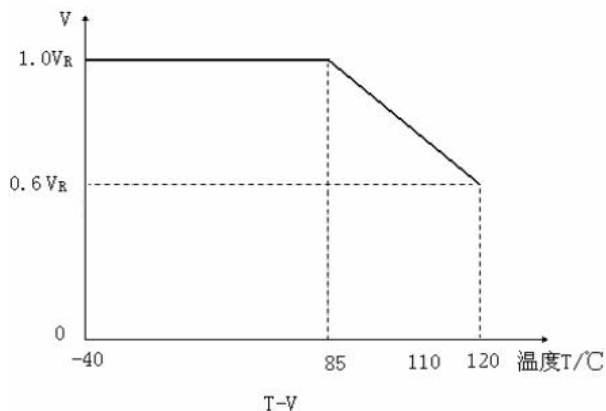
$\text{tg}\delta$ -f



R-T



Z-f



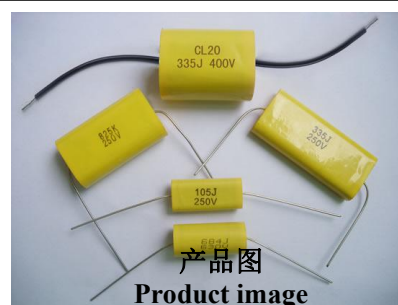
T-V



◆ 外形尺寸（mm）表

Dimension Lists (mm)

金属化聚酯膜轴向电容器 CL20  
Metallized Polyester Film Capacitor –Axial  
Type: CL20



形状 The Shape		CL20 扁型电容器 (MEA) Elliptic				CL20 圆型电容器 (MET) Cylinder		
Cap Code	Cap Value( $\mu$ F)	产品编码 Part No.	外形尺寸 Dimensions (mm)			产品编码 Part No.	外形尺寸 Dimensions (mm)	
			W $\pm$ 1.0	T $\pm$ 1.0	H $\pm$ 1.0		L $\pm$ 1.0	D $\pm$ 1.0
50VDC(30VAC)/63VDC(40VAC)								
334	0.33					MET334K(J)63V	12	5.2
394	0.39					MET394K(J)63V	12	5.5
474	0.47					MET474K(J)63V	14.5	6.0
564	0.56					MET564K(J)63V	14.5	6.0
684	0.68					MET684K(J)63V	14.5	6.0
824	0.82					MET824K(J)63V	14.5	6.5
105	1.0					MET105K(J)63V	20	7.0
125	1.2					MET125K(J)63V	20	7.5
155	1.5					MET155K(J)63V	20	8.3
185	1.8					MET185K(J)63V	20	8.3
225	2.2					MET225K(J)63V	20	8.5
275	2.7					MET275K(J)63V	20	8.5
335	3.3					MET335K(J)63V	20	9.0
395	3.9					MET395K(J)63V	20	9.5
475	4.7					MET475K(J)63V	27.5	8.5
565	5.6					MET565K(J)63V	27.5	9.0
685	6.8					MET685K(J)63V	27.5	10
825	8.2					MET825K(J)63V	27.5	10.5
106	10					MET106K(J)63V	33	11
100VDC(63VAC)								
683	0.068					MET683K(J)100V	12	5.2
823	0.082					MET823K(J)100V	12	5.2
104	0.1					MET104K(J)100V	12	5.2
124	0.12					MET124K(J)100V	12	5.2
154	0.15					MET154K(J)100V	12	5.2
184	0.18					MET184K(J)100V	12	5.2



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224	0.22					MET224K(J)100V	12	5.2
274	0.27					MET274K(J)100V	12	5.2
334	0.33					MET334K(J)100V	14.5	6.0
394	0.39					MET394K(J)100V	14.5	6.0
474	0.47					MET474K(J)100V	14.5	6.0
564	0.56					MET564K(J)100V	14.5	6.0
684	0.68					MET684K(J)100V	14.5	6.8
824	0.82					MET824K(J)100V	14.5	7.0
105	1.0					MET105K(J)100V	20.0	7.7
125	1.2					MET125K(J)100V	20.0	7.7
155	1.5					MET155K(J)100V	20.0	8.0
185	1.8					MET185K(J)100V	20.0	8.5
225	2.2					MET225K(J)100V	20.0	9.0
275	2.7					MET275K(J)100V	20.0	9.5
335	3.3					MET335K(J)100V	27.5	9.5
395	3.9					MET395K(J)100V	27.5	9.5
475	4.7					MET475K(J)100V	33.0	10.0
565	5.6					MET565K(J)100V	33.0	10.5
685	6.8					MET685K(J)100V	33.0	11.5
685	6.80	MEA685K(J)100V	32	9.0	17.0	MET685K(J)100V	32	14.0
685	6.80	MEA685K(J) 100V	35	8.0	16.0	MET685K(J)100V	35	13.0
825	8.20	MEA825K(J)100V	32	10.0	18.0	MET825K(J)100V	32	15.0
825	8.20	MEA825K(J)100V	35	9.0	17.0	MET825K(J)100V	35	14.0
106	10.00	MEA106K(J)100V	32	12.0	20.0	MET106K(J)100V	32	17.0
106	10.00	MEA106K(J)100V	35	11.0	19.0	MET106K(J)100V	35	16.0
106	10.00					MET106K(J)100V	33	20.0
126	12.00	MEA126K(J)100V	32	13.0	21.0	MET126K(J)100V	32	18.0
126	12.00	MEA126K(J)100V	35	12.0	20.0	MET126K(J)100V	35	17.0
156	15.00	MEA156K(J)100V	35	14.0	22.0	MET156K(J)100V	35	19.0
186	18.00	MEA186K(J)100V	45	13.0	21.0	MET186K(J)100V	45	18.0
206	20.00	MEA206K(J)100V	45	14.0	22.0	MET206K(J)100V	45	18.0
226	22.00	MEA226K(J)100V	45	14.0	22.0	MET226K(J)100V	45	19.0
256	25.00	MEA256K(J)100V	45	16.0	23.0	MET256K(J)100V	45	20.0
276	27.00	MEA276K(J)100V	45	16.0	24.0	MET276K(J)100V	45	21.0
306	30.00	MEA306K(J)100V	45	17.0	25.0	MET306K(J)100V	45	22.0
336	33.00	MEA336K(J)100V	45	18.0	26.0	MET336K(J)100V	45	23.0
250VDC(160VAC)								
103	0.01	MEA103K(J)250V	15	4.0	8.0	MET103K(J)250V	15	7.0
123	0.012	MEA123K(J)250V	15	5.0	9.0	MET123K(J)250V	15	8.0
153	0.015	MEA153K(J)250V	15	5.0	9.0	MET153K(J)250V	15	8.0
183	0.018	MEA183K(J)250V	15	4.0	8.0	MET183K(J)250V	15	7.0
223	0.022	MEA223K(J)250V	15	4.0	8.0	MET223K(J)250V	15	7.0



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273	0.027	MEA273K(J)250V	15	5.0	9.0	MET273K(J)250V	15	8.0
333	0.033	MEA333K(J)250V	15	5.0	9.0	MET333K(J)250VA	15	8.0
333	0.033					MET333K(J)250VB	20	7.0
393	0.039	MEA393K(J)250V	15	5.0	9.0	MET393K(J)250V	15	8.0
473	0.047	MEA473K(J)250V	15	4.0	8.0	MET473K(J)250V	15	7.0
473	0.047					MET473K(J)250V	12	5.2
563	0.056	MEA563K(J)250V	15	4.0	8.0	MET563K(J)250V	15	7.0
563	0.056					MET563K(J)250V	12	5.2
683	0.068	MEA683K(J)250V	15	5.0	9.0	MET683K(J)250V	15	8.0
823	0.082	MEA823K(J)250V	15	4.0	8.0	MET823K(J)250V	15	7.0
104	0.1	MEA104K(J)250V	15	4.0	9.0	MET104K(J)250V	15	7.0
104	0.1	MEA104K(J)250V	20	4.0	9.0	MET104K(J)250V	20	7.0
124	0.12	MEA124K(J)250V	15	4.0	9.0	MET124K(J)250V	15	8.0
124	0.12	MEA124K(J)250V	20	4.0	9.0	MET124K(J)250V	20	7.0
154	0.15	MEA154K(J)250V	15	4.0	8.0	MET154K(J)250V	15	7.0
154	0.15	MEA154K(J)250V	20	5.0	10.0	MET154K(J)250V	20	8.0
184	0.18	MEA184K(J)250V	15	4.0	9.0	MET184K(J)250V	15	7.0
184	0.18	MEA184K(J)250V	20	4.0	9.0	MET184K(J)250V	20	7.0
224	0.22	MEA224K(J)250V	15	5.0	9.0	MET224K(J)250V	15	8.0
224	0.22	MEA224K(J)250V	20	4.0	9.0	MET224K(J)250V	20	7.0
274	0.27	MEA274K(J)250V	15	5.0	10.0	MET274K(J)250V	15	8.0
274	0.27	MEA274K(J)250V	20	5.0	10.0	MET274K(J)250V	20	8.0
334	0.33	MEA334K(J)250V	15	6.0	11.0	MET334K(J)250V	15	9.0
334	0.33	MEA334K(J)250V	20	4.0	8.0	MET334K(J)250V	20	7.0
394	0.39	MEA394K(J)250V	15	4.0	9.0	MET394K(J)250V	15	7.0
394	0.39	MEA394K(J)250V	15	6.0	11.0	MET394K(J)250V	15	10.0
394	0.39	MEA394K(J)250V	20	4.0	9.0	MET394K(J)250V	20	7.0
474	0.47	MEA474K(J)250V	15	5.0	11.0	MET474K(J)250V	15	8.0
474	0.47	MEA474K(J)250V	15	7.0	12.0	MET474K(J)250V	15	10.0
474	0.47	MEA474K(J)250V	20	5.0	10.0	MET474K(J)250V	20	8.0
564	0.56	MEA564K(J)250V	15	5.0	10.0	MET564K(J)250V	15	8.0
564	0.56	MEA564K(J)250V	20	4.0	9.0	MET564K(J)250V	20	7.0
564	0.56	MEA564K(J)250V	20	5.0	10.0	MET564K(J)250V	20	8.0
684	0.68	MEA684K(J)250V	20	4.0	9.0	MET684K(J)250V	20	7.0
684	0.68	MEA684K(J)250V	20	6.0	11.0	MET684K(J)250V	20	9.0
684	0.68	MEA684K(J)250V	25	5.0	11.0	MET684K(J)250V	25	8.0
824	0.82	MEA824K(J)250V	20	5.0	9.0	MET824K(J)250V	20	8.0
824	0.8	MEA824K(J)250V	20	7.0	12.0	MET824K(J)250V	20	10.0
824	0.8	MEA824K(J)250V	25	5.0	10.0	MET824K(J)250V	25	8.0
105	1.0	MEA105K(J)250V	20	5.0	9.0	MET105K(J)250V	20	8.0
105	1	MEA105K(J)250V	20	7.0	13.0	MET105K(J)250V	20	11.0
105	1	MEA105K(J)250V	25	6.0	11.0	MET105K(J)250V	25	9.0



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125	1.2	MEA125K(J)250V	20	6.0	11.0	MET125K(J)250V	20	9.0
125	1.2	MEA125K(J)250V	20	8.0	14.0	MET125K(J)250V	20	12.0
125	1.2	MEA125K(J)250V	25	7.0	11.0	MET125K(J)250V	25	10.0
155	1.5	MEA155K(J)250V	20	7.0	12.0	MET155K(J)250V	20	10.0
155	1.5	MEA155K(J)250V	25	7.0	13.0	MET155K(J)250V	25	11.0
185	1.8	MEA185K(J)250V	20	7.0	13.0	MET185K(J)250V	20	11.0
185	1.8	MEA185K(J)250V	25	6.0	11.0	MET185K(J)250V	25	9.0
185	1.8	MEA185K(J)250V	25	8.0	14.0	MET185K(J)250V	25	12.0
225	2.2	MEA225K(J)250V	20	8.0	14.0	MET225K(J)250V	20	12.0
225	2.2	MEA225K(J)250V	25	6.0	13.0	MET225K(J)250V	25	10.0
225	2.2	MEA225K(J)250V	25	8.0	16.0	MET225K(J)250V	25	13.0
225	2.2	MEA225K(J)250V	32	7.0	13.0	MET225K(J)250V	32	11.0
275	2.7	MEA275K(J)250V	25	7.0	13.0	MET275K(J)250V	25	11.0
275	2.7	MEA275K(J)250V	32	8.0	14.0	MET275K(J)250V	32	12.0
305	3.0	MEA305K(J)250V	25	8.0	14.0	MET305K(J)250V	25	11.0
305	3.0	MEA305K(J)250V	32	8.0	16.0	MET305K(J)250V	32	12.0
305	3.0	MEA305K(J)250V	35	7.0	15.0	MET305K(J)250V	35	11.0
335	3.3	MEA335K(J)250V	25	8.0	14.0	MET335K(J)250V	25	12.0
335	3.3	MEA335K(J)250V	30	8.0	16.0	MET335K(J)250V	32	13.0
335	3.3	MEA335K(J)250V	32	7.0	15.0	MET335K(J)250V	35	12.0
395	3.9	MEA395K(J)250V	32	6.0	14.0	MET395K(J)250V	32	11.0
395	3.9	MEA395K(J)250V	35	6.0	14.0	MET395K(J)250V	35	10.0
395	3.9	MEA395K(J)250V	32	9.0	17.0	MET395K(J)250V	32	14.0
395	3.9	MEA395K(J)250V	35	8.0	16.0	MET395K(J)250V	35	13.0
475	4.7	MEA475K(J)250V	32	7.0	15.0	MET475K(J)250V	32	12.0
475	4.7	MEA475K(J)250V	32	10.0	18.0	MET475K(J)250V	32	15.0
475	4.7	MEA475K(J)250V	35	7.0	15.0	MET475K(J)250V	35	11.0
475	4.7	MEA475K(J)250V	35	9.0	17.0	MET475K(J)250V	35	14.0
565	5.6	MEA565K(J)250V	32	8.0	16.0	MET565K(J)250V	32	13.0
565	5.6	MEA565K(J)250V	35	7.0	15.0	MET565K(J)250V	35	12.0
565	5.6	MEA565K(J)250V	32	12.0	20.0	MET565K(J)250V	32	16.0
565	5.6	MEA565K(J)250V	35	10.0	18.0	MET565K(J)250V	35	15.0
685	6.8	MEA685K(J)250V	32	9.0	17.0	MET685K(J)250V	32	14.0
685	6.8	MEA685K(J)250V	35	8.0	16.0	MET685K(J)250V	35	13.0
685	6.8	MEA685K(J)250V	32	13.0	21.0	MET685K(J)250V	32	18.0
685	6.8	MEA685K(J)250V	35	12.0	20.0	MET685K(J)250V	35	16.0
825	8.2	MEA825K(J)250V	32	15.0	23.0	MET825K(J)250V	32	19.0
825	8.2	MEA825K(J)250V	35	13.0	21.0	MET825K(J)250V	35	18.0
106	10	MEA106K(J)250V	35	12.0	20.0	MET106K(J)250V	45	17.0
106	10					MET106K(J)100V	33.0	22.0
126	12	MEA126K(J)250V	45	14.0	22.0	MET126K(J)250V	45	19.0
156	15	MEA156K(J)250V	45	16.0	24.0	MET156K(J)250V	45	21.0



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186	18	MEA186K(J)250V	45	18.0	25.0	MET186K(J)250V	45	22.0
206	20	MEA206K(J)250V	45	19.0	27.0	MET206K(J)250V	45	24.0
226	22	MEA226K(J)250V	45	20.0	28.0	MET226K(J)250V	45	25.0
400VDC(200VAC)								
102	0.001					MET102K(J)400V	12.0	5.0
103	0.01					MET103K(J)400V	13.0	5.2
153	0.015					MET153K(J)400V	16.5	5.5
223	0.022					MET223K(J)400V	16.5	5.5
333	0.033					MET333K(J)400V	16.5	6.0
473	0.047					MET473K(J)400V	16.5	6.5
683	0.068					MET683K(J)400V	20.5	6.5
104	0.1					MET104K(J)400V	20.5	6.5
154	0.15					MET154K(J)400V	20.5	7.5
224	0.22					MET224K(J)400V	28.0	9.0
334	0.33					MET334K(J)400V	28.0	9.5
474	0.47					MET474K(J)400V	28.0	10.0
684	0.68					MET684K(J)400V	33.0	11.0
105	1.0					MET105K(J)400V	33.0	13.0
155	1.5					MET155K(J)400V	33.0	14.5
225	2.2					MET225K(J)400V	33.0	17.5
335	3.3					MET335K(J)400V	33.0	20.0
630VDC(250VAC)								
102	0.001					MET102K(J)630V	11	6
152	0.0015					MET152K(J)630V	11	6
222	0.0022					MET222K(J)630V	11	6
332	0.0033					MET332K(J)630V	11	6
472	0.0047					MET472K(J)630V	11	6
682	0.0068					MET682K(J)630V	11	6
103	0.01					MET103K(J)630V	16.5	6
153	0.015					MET153K(J)630V	16.5	6.5
223	0.022					MET223K(J)630V	16.5	7
333	0.033					MET333K(J)630V	20.5	6.5
473	0.047					MET473K(J)630V	20.5	7.5
683	0.068					MET683K(J)630V	20.5	8.5
104	0.1	MEA104K(J)630V	23	8	13	MET104K(J)630V	28	8
154	0.15					MET154K(J)630V	28	9
224	0.22					MET224K(J)630V	28	11
334	0.33	MEA334K(J)630V	27	10	17	MET334K(J)630V	33	11.5
474	0.47					MET474K(J)630V	33	13.5
684	0.68	MEA684K(J)630V	35	11	19	MET684K(J)630V	33	15.5
105	1.0					MET105K(J)630V	33	19
1000VDC(250VAC)								





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102	0.001					MET102K(J)1000V	16.5	6.5
152	0.0015					MET152K(J)1000V	16.5	6.5
222	0.0022					MET222K(J)1000V	16.5	6.5
332	0.0033					MET332K(J)1000V	16.5	6.5
472	0.0047					MET472K(J)1000V	16.5	8
682	0.0068					MET682K(J)1000V	16.5	9.5
103	0.01					MET103K(J)1000V	20.5	7.5
153	0.015					MET153K(J)1000V	20.5	8.5
223	0.022					MET223K(J)1000V	20.5	9.5
333	0.033					MET333K(J)1000V	28	8.5
473	0.047					MET473K(J)1000V	28	9.5
683	0.068					MET683K(J)1000V	28	11
104	0.1					MET104K(J)1000V	28	13
154	0.15					MET154K(J)1000V	33	14
224	0.22					MET224K(J)1000V	33	16
334	0.33					MET334K(J)1000V	33	19
474	0.47					MET474K(J)1000V	33	22