

## *Data Sheet*

Customer: \_\_\_\_\_

Product: Metallized Polyester Film Capacitor (Axial Flat Oval Type) – MEF series

Rated Voltage : 100V, 250V, 400V, 630V \_\_\_\_\_

Issued Date: 7-Jul.-2016 \_\_\_\_\_

Edition: Ver. 1 \_\_\_\_\_

### Record of change

Date	Ver.	Description	Page
7-Jul.-2016	1		

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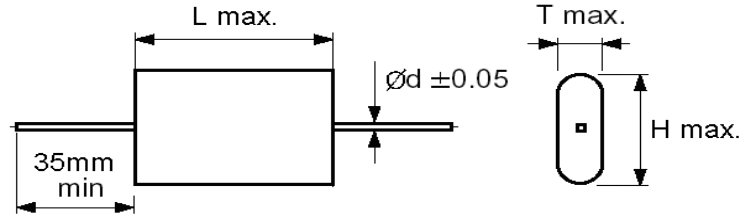
Prepared by	Checked by	Approved by	Accepted by (customer)
7-Jul.-2016	7-Jul.-2016	7-Jul.-2016	
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## Metallized Polyester Film Capacitor (Axial Lead)(Flat Oval)

MEF are non-inductively wound with metallized polyester film as dielectric and electrode with copper-clad steel leads and epoxy end seal.

### FEATURES:

- Low dissipation factor (D.F.)
- High insulation resistance.
- High stability of capacitance and dissipation factor versus temperature and frequency.
- Self-healing properties.



### SPECIFICATIONS:

1. OPERATING TEMPERATURE:  $-55^{\circ}\text{C}$  --  $+125^{\circ}\text{C}$  (Full rated voltage at  $85^{\circ}\text{C}$ .  
Derate linearly to 50% rated voltage at  $125^{\circ}\text{C}$ )
2. CAPACITANCE RANGE:  $0.01\mu\text{F}$  –  $100\mu\text{F}$
3. CAPACITANCE TOLERANCE:  $\pm 5\%$ (J),  $\pm 10\%$ (K)
4. RATED VOLTAGE: 100VDC, 250VDC, 400VDC, 630VDC
5. DISSIPATION FACTOR: 0.75% max. at 1KHz,  $20^{\circ}\text{C}$
6. INSULATION RESISTANCE:  $>15,000\text{ M}\Omega$ ( $C \leq 0.33\mu\text{F}$ ).  $>5,000\text{ M}\Omega \cdot \mu\text{F}/\text{C}$  ( $C > 0.33\mu\text{F}$ ).
7. VOLTAGE PROOF: 1.5 times rated voltage.

T	d $\phi$
$\leq 8\text{mm}$	0.6mm
9 – 19mm	0.8mm
$\geq 20\text{mm}$	1.0mm

Unit : mm

RV SIZE CAP( $\mu\text{F}$ )	100V			250V			400V			630V		
	L	H	T	L	H	T	L	H	T	L	H	T
0.01	14.0	8.0	5.0	14.0	8.0	5.0	14.0	8.0	5.0	14.0	8.0	5.0
0.022	14.0	8.5	5.0	14.0	8.5	5.0	14.0	8.5	5.0	14.0	8.5	5.0
0.033	14.0	8.5	5.0	14.0	8.5	5.0	14.0	8.5	5.0	19.0	9.0	5.0
0.047	14.0	8.5	5.0	14.0	8.5	5.0	14.0	8.5	5.0	19.0	9.0	5.0
0.068	14.0	8.5	5.0	14.0	8.5	5.0	19.0	8.5	5.0	19.0	9.0	5.0
0.1	14.0	8.5	5.0	14.0	8.5	5.0	19.0	8.5	5.0	19.0	9.0	5.0
0.22	14.0	8.5	5.0	19.0	11.0	5.0	19.0	11.0	5.0	19.0	11.0	7.0
0.33	14.0	9.0	5.0	19.0	11.0	5.0	19.0	11.0	5.0	25.0	13.0	7.0
0.47	19.0	7.5	5.0	19.0	11.0	7.0	19.0	14.0	7.0	25.0	14.5	8.0
0.68	19.0	13.0	7.0	19.0	13.0	7.0	25.0	13.0	7.0	31.0	14.5	8.0
1.0	19.0	13.0	7.0	25.0	12.0	7.0	25.0	15.0	8.0	31.0	16.5	9.0
2.2	25.0	14.0	8.0	31.0	14.0	8.0	31.0	17.0	10.0	31.0	21.0	15.0
3.3	31.0	14.0	8.0	31.0	17.0	10.0	31.0	19.0	13.0	46.0	21.0	14.0
4.7	31.0	15.5	9.0	31.0	19.0	12.0	31.0	22.0	16.0	46.0	24.0	17.0
5.6	31.0	17.0	10.0	31.0	20.0	14.0	46.0	20.0	13.0	46.0	26.0	19.0
6.8	31.0	18.0	11.0	46.0	18.0	11.0	46.0	21.0	15.0	46.0	27.5	21.0
8.2	31.0	19.0	12.5	46.0	19.0	13.0	46.0	23.0	16.0	46.0	30.0	24.0
10.0	31.0	21.0	14.0	46.0	20.0	14.0	46.0	25.0	18.0	46.0	33.0	26.0
15.0	46.0	20.0	14.0	46.0	24.0	18.0	46.0	30.0	23.0			
22.0	46.0	23.0	17.0	46.0	28.0	22.0	46.0	34.0	29.0			
33.0	46.0	27.0	21.0	56.0	32.0	26.0						
47.0	46.0	32.0	26.0	61.0	35.0	29.0						
68.0	56.0	34.0	28.0	61.0	42.0	36.0						
82.0	61.0	35.0	29.0									