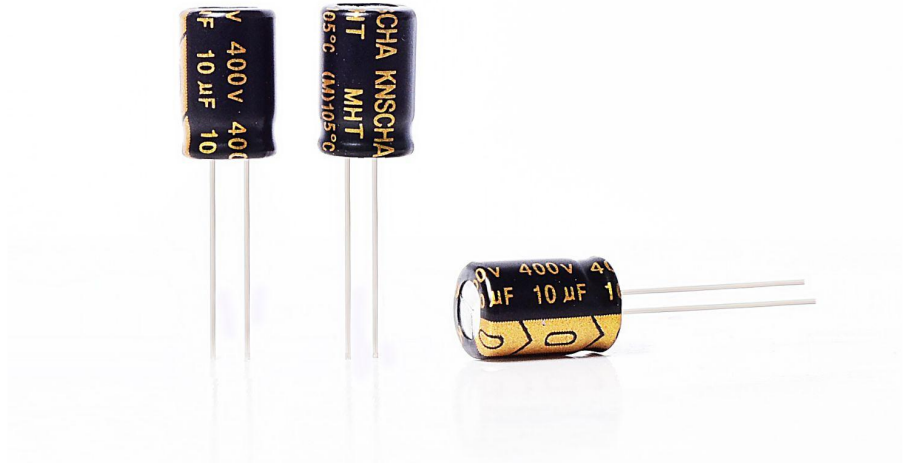


## MHT SERIES

- Wide operating temperature range of - 25 ~ + 105°C  
工作温度范围：- 25 ~ + 105°C
- Standard series for general-purpose  
通用型号的标准品
- Voltage range of 400V-450V  
工作电压：400V-450V
- Load life of 4000 hours at 105°C  
使用寿命：105°C 4000小时

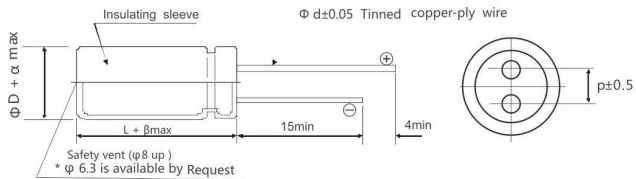


### SPECIFICATIONS 技术参数

Item (项目)	Characteristics (特征)										
Operating Temperature Range (使用温度范围)	- 25 ~ + 105 °C										
Rated Voltage (额定电压)	400 V- 450V.DC										
Capacitance Range(容量范围)	4.7 ~ 150 µF										
Temperature Frequency Range (温度频率范围)	- 20% ~ + 20% (at 20°C , 120Hz)										
Leakage Current 漏电流	WV	400 V- 450V									
	L.C.	I = 0.02CV + 15( µA) whichever is greater(after 5min) 施加额定电压 5分钟测试									
where, I: Max Leakage Current (µA); C: Nominal Capacitance (µF), V: Rated Voltage(V) (at 20°C) 注解：I:漏电流µA C:容量(µF), V: 额定电压(V) (在 20°C)											
Dissipation Factor (tanδ) (at 120Hz, +20°C) (损失角正切)	<table border="1"> <tr> <td>W.V.</td> <td>400</td> <td>450</td> </tr> <tr> <td>tanδ</td> <td>0.20</td> <td>0.24</td> </tr> </table>		W.V.	400	450	tanδ	0.20	0.24			
W.V.	400	450									
tanδ	0.20	0.24									
Low Temp. Impedance Stability at 120Hz (温度特性)	<table border="1"> <tr> <td>W. V.</td> <td>400</td> <td>450</td> </tr> <tr> <td>Z-25°C /Z+20°C</td> <td>8</td> <td>8</td> </tr> <tr> <td>Z-40°C /Z+20°C</td> <td>-</td> <td>-</td> </tr> </table>		W. V.	400	450	Z-25°C /Z+20°C	8	8	Z-40°C /Z+20°C	-	-
W. V.	400	450									
Z-25°C /Z+20°C	8	8									
Z-40°C /Z+20°C	-	-									
High Temp. Load Test (高温负荷特性)	After 4000 hours, application of DC rated working voltage at + 105°C, the capacitor shall meet the following limits.105°C施加额定电压4000小时后满足下列条件 Capacitance change ... ≤±30% of the initial measured value容量在±30%范围内 Tan δ ... ≤ 250% of the initial specified value损失角在初始规定值250% DC leakage current ... ≤ the initial specified value漏电流小于或等于规格值										
High Temp. Non-Load Test (高温无负荷特性)	After storage for 1000 hours at 105°C with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made,at which time requirements specified in the table "High Temperature Loading" can be meet.	在 105°C 的条件下不加电压放置 1000个小时，按照 JIS-C-5102 中 4-4 的标准进行处理，特性满足高温负荷特性									

## MHT SERIES

### ● DIMENSIONS(mm) 尺寸



Unit:(mm)

$\phi D$	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
$\phi d$	0.5		0.6		0.8		
$\beta$	1.0			1.5			
$\alpha$	0.5						

### MULTIPLIER FOR RIPPLE CURRENT 纹波电流修正系数

#### (1) Frequency coefficient 频率系数

Cap( $\mu F$ ) \ Freq.(Hz)	60(50)	120	300	1K	10K	100K
0.1~47	0.55	0.65	0.70	0.75	0.85	1.00
68~680	0.65	0.75	0.80	0.85	0.90	1.00
1000~15000	0.70	0.80	0.85	0.90	0.95	1.00

#### (2) Temperature coefficient 温度系数

18- Ambient Temperature( $^{\circ}C$ )	40	60	70	85	105
Coefficient	2.4	2.1	1.78	1.65	1

### STANDARD SIZE 标准品一览表

WV(VDC)	Cap( $\mu F$ ) /120Hz	Case size	Ripple (mArms 105 $^{\circ}C$ 100KHz)	WV(VDC)	Cap( $\mu F$ ) /120Hz	Case size	Ripple (mArms 105 $^{\circ}C$ 100KHz)
额定电压	容量	尺寸DxL	纹波电流	额定电压	容量	尺寸DxL	纹波电流
400	4.7	8x9	115	450	4.7	8x9	135
	6.8	8x12	125		6.8	8x12	160
	10	8x12.5	145		8.2	8x13	220
	10	10x13	160		10	10x13	245
	15	10x13	220		15	10x16	255
	15	8x20	235		22	13x16	295
	22	10x17	255		33	13x20	320
	22	13x16	275		33	16x16	345
	33	10x25	315		47	16x20	380
	33	13x20	385		47	18x16	495
	47	13x25	420		68	18x25	610
	47	16x17	465		82	18x25	710
	68	16x22	560		100	18x30	780
100	16x32	585	120	18x34	820		
100	18x25	650	150	18x40	1150		