

電気用部品材料登録制度（CMJ登録リスト）

電子機器用固定コンデンサー登録リスト

Fixed Capacitors for electromagnetic interference suppression and connection to the supply mains

登録項目 Registration item	登録内容 Registration detail
登録機関 Certification body	JET
申込者 Applicant	XIAMEN WANMING ELECTRONICS CO., LTD.
登録番号 Registration number	1417-C9901-022
形態 Forms	Two-terminal capacitor
誘電体の種類 Dielectric Material	Ceramic
タイプ名（シリーズ名） Type (Series) Designation	HJ, CK, UK
モデル名 Model	HJ○010□XXXXW HJ○560□XXXXW CK○1R5□XXXXW CK○680□XXXXW HJ○1R5□XXXXW HJ○680□XXXXW CK○020□XXXXW CK○820□XXXXW HJ○020□XXXXW HJ○820□XXXXW CK○2R2□XXXXW CK○101□XXXXW HJ○2R2□XXXXW HJ○101□XXXXW CK○030□XXXXW CK○121□XXXXW HJ○030□XXXXW HJ○121□XXXXW CK○3R3□XXXXW CK○151□XXXXW HJ○3R3□XXXXW HJ○151□XXXXW CK○040□XXXXW CK○181□XXXXW HJ○040□XXXXW HJ○181□XXXXW CK○4R7□XXXXW CK○201□XXXXW HJ○4R7□XXXXW HJ○201□XXXXW CK○050□XXXXW CK○221□XXXXW HJ○050□XXXXW HJ○221□XXXXW CK○5R1□XXXXW CK○271□XXXXW HJ○5R1□XXXXW HJ○271□XXXXW CK○5R6□XXXXW CK○301□XXXXW HJ○5R6□XXXXW HJ○301□XXXXW CK○060□XXXXW CK○331□XXXXW HJ○060□XXXXW HJ○331□XXXXW CK○6R8□XXXXW CK○391□XXXXW HJ○6R8□XXXXW HJ○391□XXXXW CK○070□XXXXW CK○471□XXXXW HJ○070□XXXXW HJ○471□XXXXW CK○080□XXXXW CK○561□XXXXW HJ○080□XXXXW HJ○561□XXXXW CK○090□XXXXW CK○681□XXXXW HJ○090□XXXXW HJ○681□XXXXW CK○100□XXXXW CK○821□XXXXW HJ○100□XXXXW HJ○821□XXXXW CK○120□XXXXW CK○102□XXXXW HJ○120□XXXXW HJ○102□XXXXW CK○150□XXXXW CK○122□XXXXW HJ○150□XXXXW HJ○122□XXXXW CK○180□XXXXW CK○152□XXXXW HJ○180□XXXXW HJ○152□XXXXW CK○200□XXXXW CK○182□XXXXW HJ○200□XXXXW HJ○182□XXXXW CK○220□XXXXW CK○202□XXXXW HJ○220□XXXXW HJ○202□XXXXW CK○270□XXXXW CK○222□XXXXW HJ○270□XXXXW HJ○222□XXXXW CK○300□XXXXW CK○272□XXXXW HJ○300□XXXXW HJ○272□XXXXW CK○330□XXXXW CK○332□XXXXW HJ○330□XXXXW HJ○332□XXXXW CK○390□XXXXW CK○392□XXXXW HJ○390□XXXXW HJ○392□XXXXW CK○470□XXXXW CK○472□XXXXW HJ○470□XXXXW HJ○472□XXXXW CK○500□XXXXW UK○010□XXXXW HJ○500□XXXXW CK○010□XXXXW CK○560□XXXXW UK○1R5□XXXXW

モデル名 Model	UK○020□XXXXW UK○152□XXXXW
	UK○2R2□XXXXW UK○182□XXXXW
	UK○030□XXXXW UK○202□XXXXW
	UK○3R3□XXXXW UK○222□XXXXW
	UK○040□XXXXW UK○272□XXXXW
	UK○4R7□XXXXW UK○332□XXXXW
	UK○050□XXXXW UK○392□XXXXW
	UK○5R1□XXXXW UK○472□XXXXW
	UK○5R6□XXXXW
	UK○060□XXXXW
	UK○6R8□XXXXW
	UK○070□XXXXW
	UK○080□XXXXW
	UK○090□XXXXW
	UK○100□XXXXW
	UK○120□XXXXW
	UK○150□XXXXW
	UK○180□XXXXW
	UK○200□XXXXW
	UK○220□XXXXW
	UK○270□XXXXW
	UK○300□XXXXW
	UK○330□XXXXW
	UK○390□XXXXW
	UK○470□XXXXW
	UK○500□XXXXW
	UK○560□XXXXW
	UK○680□XXXXW
	UK○820□XXXXW
	UK○101□XXXXW
	UK○121□XXXXW
	UK○151□XXXXW
	UK○181□XXXXW
	UK○201□XXXXW
	UK○221□XXXXW
	UK○271□XXXXW
	UK○301□XXXXW
	UK○331□XXXXW
	UK○391□XXXXW
	UK○471□XXXXW
	UK○561□XXXXW
	UK○681□XXXXW
	UK○821□XXXXW
	UK○102□XXXXW
	UK○122□XXXXW

クラス (サブクラス) Class (Sub-class)		Class X (X1), Class Y (Y1)
定格電圧 (AC/DC) Rated Voltage		X1: AC440V/AC400V Y2: AC400V/AC250V
定格静電容量 (範囲) 及び定格抵抗値 Capacitance and Resistance (or Range) (if applicable)		1pF~4700pF
静電容量の公差 Tolerance on Rated Capacitance		$\pm 0.25\text{pF (C)}$, $\pm 0.5\text{pF (D)}$ $\pm 5\% \text{ (J)}$, $\pm 10\% \text{ (K)}$, $\pm 20\% \text{ (M)}$
定格電流 (貫通コンデンサの場合) Rated Current (for lead-through capacitor)		—
耐候性カテゴリー Climatic Category	下限値 Lower category temperature	-40
	上限値 Upper category temperature	125
	高温高湿試験期間 の日数 Duration of the damp heat, steady state test	21
耐炎性カテゴリー Passive Flammability Category		C
登録日 Issued		2009-02-20
適用基準 (発行年を含む) Test Standards		Technical requirements of Electrical Appliance and Material Safety Law Article 2 of the Technical Requirements of the METI Ordinance J60384-14 (H14) (JIS C5101-14)
その他 (特別な認証条件等) Additional information		The model name is composed of nine parts. Refer to the appended explanation.

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タイプ名（シリーズ名） Type (Series) Designation	HM, CM, UM
モデル名 Model	HM○010□XXXXW HM○560□XXXXW HM○562□XXXXW CM○330□XXXXW HM○1R5□XXXXW HM○680□XXXXW HM○682□XXXXW CM○390□XXXXW HM○020□XXXXW HM○820□XXXXW HM○822□XXXXW CM○470□XXXXW HM○2R2□XXXXW HM○101□XXXXW HM○103□XXXXW CM○500□XXXXW HM○030□XXXXW HM○121□XXXXW CM○010□XXXXW CM○560□XXXXW HM○3R3□XXXXW HM○151□XXXXW CM○1R5□XXXXW CM○680□XXXXW HM○040□XXXXW HM○181□XXXXW CM○020□XXXXW CM○820□XXXXW HM○4R7□XXXXW HM○201□XXXXW CM○2R2□XXXXW CM○101□XXXXW HM○050□XXXXW HM○221□XXXXW CM○030□XXXXW CM○121□XXXXW HM○5R1□XXXXW HM○271□XXXXW CM○3R3□XXXXW CM○151□XXXXW HM○5R6□XXXXW HM○301□XXXXW CM○040□XXXXW CM○181□XXXXW HM○060□XXXXW HM○331□XXXXW CM○4R7□XXXXW CM○201□XXXXW HM○6R8□XXXXW HM○391□XXXXW CM○050□XXXXW CM○221□XXXXW HM○070□XXXXW HM○471□XXXXW CM○5R1□XXXXW CM○271□XXXXW HM○080□XXXXW HM○561□XXXXW CM○5R6□XXXXW CM○301□XXXXW HM○090□XXXXW HM○681□XXXXW CM○060□XXXXW CM○331□XXXXW HM○100□XXXXW HM○821□XXXXW CM○6R8□XXXXW CM○391□XXXXW HM○120□XXXXW HM○102□XXXXW CM○070□XXXXW CM○471□XXXXW HM○150□XXXXW HM○122□XXXXW CM○080□XXXXW CM○561□XXXXW HM○180□XXXXW HM○152□XXXXW CM○090□XXXXW CM○681□XXXXW HM○200□XXXXW HM○182□XXXXW CM○100□XXXXW CM○821□XXXXW HM○220□XXXXW HM○202□XXXXW CM○120□XXXXW CM○102□XXXXW HM○270□XXXXW HM○222□XXXXW CM○150□XXXXW CM○122□XXXXW HM○300□XXXXW HM○272□XXXXW CM○180□XXXXW CM○152□XXXXW HM○330□XXXXW HM○332□XXXXW CM○200□XXXXW CM○182□XXXXW HM○390□XXXXW HM○392□XXXXW CM○220□XXXXW CM○202□XXXXW HM○470□XXXXW HM○472□XXXXW CM○270□XXXXW CM○222□XXXXW HM○500□XXXXW HM○502□XXXXW CM○300□XXXXW CM○272□XXXXW

モデル名
Model

CM○332□XXXXW UM○271□XXXXW
CM○392□XXXXW UM○301□XXXXW
CM○472□XXXXW UM○331□XXXXW
CM○502□XXXXW UM○391□XXXXW
CM○562□XXXXW UM○471□XXXXW
CM○682□XXXXW UM○561□XXXXW
CM○822□XXXXW UM○681□XXXXW
CM○103□XXXXW UM○821□XXXXW
UM○010□XXXXW UM○102□XXXXW
UM○1R5□XXXXW UM○122□XXXXW
UM○020□XXXXW UM○152□XXXXW
UM○2R2□XXXXW UM○182□XXXXW
UM○030□XXXXW UM○202□XXXXW
UM○3R3□XXXXW UM○222□XXXXW
UM○040□XXXXW UM○272□XXXXW
UM○4R7□XXXXW UM○332□XXXXW
UM○050□XXXXW UM○392□XXXXW
UM○5R1□XXXXW UM○472□XXXXW
UM○5R6□XXXXW UM○502□XXXXW
UM○060□XXXXW UM○562□XXXXW
UM○6R8□XXXXW UM○682□XXXXW
UM○070□XXXXW UM○822□XXXXW
UM○080□XXXXW UM○103□XXXXW
UM○090□XXXXW
UM○100□XXXXW
UM○120□XXXXW
UM○150□XXXXW
UM○180□XXXXW
UM○200□XXXXW
UM○220□XXXXW
UM○270□XXXXW
UM○300□XXXXW
UM○330□XXXXW
UM○390□XXXXW
UM○470□XXXXW
UM○500□XXXXW
UM○560□XXXXW
UM○680□XXXXW
UM○820□XXXXW
UM○101□XXXXW
UM○121□XXXXW
UM○151□XXXXW
UM○181□XXXXW
UM○201□XXXXW
UM○221□XXXXW

クラス (サブクラス) Class (Sub-class)		Class X (X1), Class Y (Y1)
定格電圧 (AC/DC) Rated Voltage		X1: AC440V/AC400V Y2: AC300V/AC250V
定格静電容量 (範囲) 及び定格抵抗値 Capacitance and Resistance (or Range) (if applicable)		1pF~4700pF
静電容量の公差 Tolerance on Rated Capacitance		$\pm 0.25\text{pF (C)}$, $\pm 0.5\text{pF (D)}$ $\pm 5\% \text{ (J)}$, $\pm 10\% \text{ (K)}$, $\pm 20\% \text{ (M)}$
定格電流 (貫通コンデンサの場合) Rated Current (for lead-through capacitor)		—
耐候性カテゴリー Climatic Category	下限値 Lower category temperature	-40
	上限値 Upper category temperature	125
	高温高湿試験期間 の日数 Duration of the damp heat, steady state test	21
耐炎性カテゴリー Passive Flammability Category		C
登録日 Issued		2009-02-20
適用基準 (発行年を含む) Test Standards		Technical requirements of Electrical Appliance and Material Safety Law Article 2 of the Technical Requirements of the METI Ordinance J60384-14 (H14) (JIS C5101-14)
その他 (特別な認証条件等) Additional information		The model name is composed of nine parts. Refer to the appended explanation.

The model name is composed of nine parts. The meaning is shown in the following.

Explanation of Part Number

Example:HM ○ 102 □ X X X X W

Example:HJ ○ 222 □ X X X X W

Type1: HM,CM,UM, 440/400V AC X1,
300/250V, AC Y2, 1pF-10000 pF
Type2: H J ,C K ,U K , 440/400V AC X1,
400/250V, AC Y1, 1pF-4700 pF
HM, CM and UM (or HJ, CK and UK)are
completely the same products in structure, their
different specifications are only because of
different markets.

Temperature Characteristics			
○ Using code B, E, F, S, C, X			
Cord	Temperat ure character istics	Cap,chan ge or Temp.coe ff	Temperat ure Range
B	Y5P	± 10%	-25 to +85
E	Y5U	+20%, -55%	
F	Y5V	+30%, -80%	
S	SL	+350~ -1000pp m/	
C	NPO	± 60ppm/	-55 to +125
X	X7R	± 15%	

Capacitance
Expressed by three figures. The unit is
pico-farad(pF).

The first and second figures are significant
digits, and the third figure expresses the
number of zeros which follow the two numbers,
If there is a decimal point, it is expressed by the
capital letter R . in this case, all figures are
significant digits.

Capacitance Tolerance	
□Using code C, D, J, K, M, Z	
Cord	Capacitance Tolerance
C	± 0.25pF
D	± 0.5pF
J	± 5%
K	± 10%
M	± 20%
Z	+80%, -20%

Lead style	
The first X,which refers to one letter of A,B,C,D,E,F,G,H,M	
Cord	Lead style
A	Straight Lead(Long)
B	Straight Lead(Short)
C	Inside Crimped(Short)
D	Inside Crimped(Long)
E	Outside Crimped(Short)
F	Outside Crimped(Long)
G	Vertical Crimped(Long)
H	Vertical Crimped(Short)
M	Duoble Crimped snap lead

Lead Spacing

The second X, which refers to a number of 2,3,4,5

Cord	Lead Spacing
2	5.0mm
3	7.5mm
4	10.0mm
5	12.5mm

Packaging

The third X, using code

B,A,C,D,E,R,S,T,U

Cord	Pitch of components	Packaging
B	/	Bulk
A	12.7mm	Taping Ammo Pack
C	25.4mm	
D	15.0mm	
E	30.0mm	
R	12.7mm	Taping Reel Pack
S	25.4mm	
T	15.0mm	
U	30.0mm	

Lead Length

The fourth X, using code two figures 35,50

or no figure

Cord	Lead Length(mm)
35	3.5 ± 1.0
50	5.0 ± 1.0
No Figure	20.0 min

Internal Code

Using cord W, L

Cord	Meaning
W	Lead-free(ROHS)
L	Halogen-free and lead-free

電気用品部品材料登録制度（ＣＭＪ）
電子機器用固定コンデンサーの暫定登録リスト

登録項目	登録内容		
登録機関	JQA	JQA	JQA
申込者	株式会社村田製作所	岡谷電機産業株式会社	岡谷電機産業株式会社
登録番号	JQ10421-1	JQ10519-1	JQ10519-2
形態	2 端子コンデンサ	2 端子コンデンサ	2 端子コンデンサ
誘電体の種類	セラミック	フィルム(PP)	フィルム()
タイプ名（シリーズ名）	K Y	RE	LE
モデル名	DE21XKY100K***M01 DE21XKY150K***M01 DE21XKY220K***M01 DE21XKY330K***M01 DE21XKY470K***M01 DE21XKY680K***M01 DE2B3KY101K***M01 DE2B3KY151K***M01 DE2B3KY221K***M01 DE2B3KY331K***M01 DE2B3KY471K***M01 DE2B3KY681K***M01 DE2B3KY102K***M01 DE2E3KY102M***M01 DE2E3KY152M***M01 DE2E3KY182M***M01 DE2E3KY222M***M01 DE2E3KY252M***M01 DE2E3KY332M***M01 DE2E3KY392M***M01 DE2E3KY472M***M01 DE2F3KY472M***M01 DE2F3KY502M***M01 DE2F3KY682M***M01 DE2F3KY882M***M01 DE2F3KY103M***M01 ***: Lead and packaging codes	RE103, RE123, RE153, RE183, RE223, RE273, RE333, RE393, RE473, RE563, RE683, RE823, RE104, RE124, RE154, RE184, RE224, RE274, RE334, RE394, RE474, RE564, RE684, RE824, RE105, RE125, RE155, RE185, RE225	LE103, LE153, LE223, LE333, LE473, LE683, LE104, LE154, LE224, LE334, LE474, LE684, LE105, LE155, LE225
クラス（サブクラス）	X1, Y2	X2	X2
定格電圧（AC / DC）	250V ac	275Vac	275V ac
定格静電容量（範囲） 及び定格抵抗値	10pF - 10000pF	0.01 μ F - 2.2 μ F	0.01 μ F - 2.2 μ F
静電容量の公差 （ $\pm 20\%$ 以外の場合）	$\pm 5, 10, 20 \%$	$\pm 10\%$	$\pm 10\%$
定格電流 （貫通コンデンサの場合）	-	-	-
耐候性カテゴリー	下限値	-25	-55
	上限値	125	100
	高温高湿試験 期間の日数	21	56
耐炎性カテゴリー	C	C	B or C
登録日			
適用技術基準 （発行年も含む。）	「電気用品の技術上の基準を定める省令」第2項 -J60384-14(H14) (JIS C 5101-14: 1998) (安全性要求のみ)		
その他 （特別な認証条件等）	なし	なし	なし