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| HBC | X1型金属化聚丙烯薄膜交流电容器 |
|  |
| Metallized Polypropylene Film AC Capacitor Class-X1 |

**FEATURES**

 **►** This specifications cover the requirements of HBC Metallized Polypropylene

 **►** Film AC Capacitor(Interference Suppressors Class-X1)

**SPECIFICATIONS**

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| --- | --- |
| Capacitor Class | "X1”stands for X1 class |
| Climatic Category | 55/ 105/ 21 |
| Operating Temperature Range | -55 ℃~+105 ℃(for which the capacitor can be operated continuously at rated voltage. |
| Rated Voltage | 300V.AC,330V.AC 400V.AC 440V.AC |
| Capacitance Range | 0.0022～4.7μF |
| Capacitance Tolerance | ±10% |
| Insulation Resistance(I.R.) | >=15,000 MOhm(C<=0.33μF)>=5,000 MOhm(C>0.33μF) |
| Dissipation Factor(DF) | 0.001(0. 1%)max. at 1KHz |

**DRAWING**



**300V.AC** **STANDARD** **SIZE**  **(mm)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mfd** | **W±1.0** | **H±1.0** | **T±1.0** | **P±1.0** |  | **Mfd** | **W±1.0** | **H±1.0** | **T±1.0** | **P±1.0** |
| **0.0022** | 13.0 | 11.0 | 5.0 | 10.0 | **0.18** | 26.5 | 17.0 | 8.5 | 22.5 |
| **0.0033** | 13.0 | 11.0 | 5.0 | 10.0 | 18.0 | 18.0 | 10.0 | 15.0 |
| **0.0047** | 13.0 | 11.0 | 5.0 | 10.0 | **0.2** | 26.5 | 17.0 | 8.5 | 22.5 |
| **0.0056** | 13.0 | 11.0 | 5.0 | 10.0 | **0.22** | 26.5 | 17.0 | 8.5 | 22.5 |
| **0.0068** | 13.0 | 11.0 | 5.0 | 10.0 | **0.27** | 26.5 | 19.0 | 10.0 | 22.5 |
| **0.0082** | 13.0 | 11.0 | 5.0 | 10.0 | **0.33** | 32.0 | 18.0 | 9.0 | 27.5 |
| **0.01** | 18.0 | 11.0 | 5.0 | 15.0 | 26.5 | 19.0 | 10.0 | 22.5 |
| 13.0 | 11.0 | 5.0 | 10.0 | **0.39** | 32.0 | 18.0 | 9.0 | 27.5 |
| **0.012** | 18.0 | 12.0 | 6.0 | 15.0 | 26.5 | 19.0 | 10.0 | 22.5 |
| 13.0 | 11.0 | 5.0 | 10.0 | **0.47** | 32.0 | 20.0 | 11.0 | 27.5 |
| **0.015** | 18.0 | 12.0 | 6.0 | 15.0 | 26.5 | 20.0 | 11.5 | 22.5 |
| 13.0 | 11.0 | 5.0 | 10.0 | **0.56** | 32.0 | 21.5 | 13.0 | 27.5 |
| **0.018** | 18.0 | 12.0 | 6.0 | 15.0 | **0.68** | 32.0 | 21.5 | 13.0 | 27.5 |
| 13.0 | 11.0 | 5.0 | 10.0 | **0.82** | 32.0 | 25.5 | 16.0 | 27.5 |
| **0.022** | 18.0 | 12.0 | 6.0 | 15.0 | **1.0** | 32.0 | 26.0 | 18.0 | 27.5 |
| 13.0 | 12.0 | 6.0 | 10.0 | **1.2** | 32.0 | 26.0 | 18.0 | 27.5 |
| **0.027** | 18.0 | 12.0 | 6.0 | 15.0 | **1.5** | 380 | 30.0 | 20.0 | 31.0 |
| 13.0 | 12.0 | 6.0 | 10.0 | **2.0** | 41.0 | 31.5 | 24.0 | 37.5 |
| **0.033** | 18.0 | 12.0 | 6.0 | 15.0 | **2.2** | 41.0 | 31.5 | 24.0 | 37.5 |
| **0.039** | 18.0 | 12.0 | 6.0 | 15.0 | **2.7** | 48 | 32 | 22 | 41 |
| **0.047** | 18.0 | 12.0 | 6.0 | 15.0 | **3.0** | 48 | 37 | 25 | 41 |
| **0.056** | 18.0 | 12.0 | 6.0 | 15.0 | **3.3** | 48.0 | 37.0 | 25.0 | 41.0 |
| **0.068** | 18.0 | 13.5 | 7.5 | 15.0 | **3.9** | 58.0 | 38.0 | 26.0 | 51.0 |
| **0.082** | 18.0 | 13.5 | 7.5 | 15.0 | **4.7** | 58.0 | 38.0 | 26.0 | 51.0 |
| **0.1** | 18.0 | 14.5 | 8.5 | 15.0 |  |  |  |  |  |
| **0.12** | 18.0 | 14.5 | 8.5 | 15.0 |  |  |  |  |  |
| **0.15** | 26.5 | 16.5 | 7.0 | 22.5 |  |  |  |  |  |
| 18.0 | 16.0 | 10.0 | 15.0 |  |  |  |  |  |

**Please visit our website to get more update data, those data & specification are subject to change without notice**.



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**CHARACTERISTICS** **REFERENCE**

Soldering Temperature VS Time





**Frequency Characteristics**





**Temperature** **Characteristics**

△C/C(%) at 1KHz

DF(%) at 1KHz



Vn(%)



**I.R.(MOhm)**



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