

### Certification Record

Customer	Class	File Number
Brightking (Shenzhen) Co Ltd 2F Tianan Management Center, Building, Tianan Cyber Park Futian District Shenzhen  China	2221-01 AUDIO AND VIDEO EQUIPMENT-Accessories and Parts for Electronic Equipment	246579

TO THE REQUIREMENTS OF CSA STANDARD 1-04:

- Varistors for across-the-line use as transient protection on up to 250V ac system.
1. Types 05D\*\*\*K and \*\*\*KD05, where \*\*\* are changeable numbers from 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751 indicating varistor voltage 200V through 750V dc; rated 130V through 460V ac; surge current rated 400A.
  2. Types 07D\*\*\*K and \*\*\*KD07, where \*\*\* are changeable numbers from 180, 220, 270, 330, 390, 470, 560, 680 indicating varistor voltage 18V through 68V dc; rated 11V through 40V ac; surge current rated 500A.
  3. Types 07D\*\*\*K and \*\*\*KD07, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821 indicating varistor voltage 82V through 820V dc; rated 50V through 510V ac; surge current rated 1200A.
  4. Types 10D\*\*\*K and \*\*\*KD10, where \*\*\* are changeable numbers from 180, 220, 270, 330, 390, 470, 560, 680 indicating varistor voltage 18V through 68V dc; rated 11V through 40V ac; surge current rated 1000A.
  5. Types 10D\*\*\*K and \*\*\*KD10, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 102, 112 indicating varistor voltage 82V through 1100V dc; rated 50V through 680V ac; surge current rated 3500A.
  6. Types 14D\*\*\*K and \*\*\*KD14, where \*\*\* are changeable numbers from 180, 220, 270, 330, 390, 470, 560, 680 indicating varistor voltage 18V through 68V dc; rated 11V through 40V ac; surge current rated 2000A.
  7. Types 14D\*\*\*K and \*\*\*KD14, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 102, 112, 122, 182 indicating varistor voltage 82V through 1800V dc; rated 50V through 1100V ac; surge current rated 6000A.
  8. Types 18D\*\*\*K and \*\*\*KD18, where \*\*\* are changeable numbers from 180, 220, 270, 330, 390, 470, 560, 680 indicating varistor voltage 18V through 68V dc; rated 11V through 40V ac; surge current rated 2500A.
  9. Types 18D\*\*\*K and \*\*\*KD18, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 102, 112, 182 indicating varistor voltage 82V through 1800V dc; rated 50V through 1100V ac; surge current rated 8000A.
  10. Types 20D\*\*\*K and \*\*\*KD20, where \*\*\* are changeable numbers from 180, 220, 270, 330, 390, 470, 560, 680 indicating varistor voltage 18V through 68V dc; rated 11V through 40V ac; surge current rated 3000A.
  11. Types 20D\*\*\*K and \*\*\*KD20, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 102, 112, 122, 182 indicating varistor voltage 82V through 1800V dc; rated 50V through 1100V ac; surge current rated 10000A.
  12. Types 25D\*\*\*K and \*\*\*KD25, where \*\*\* are changeable numbers from 180, 220, 270, 330, 390, 470, 560, 680 indicating varistor voltage 18V through 68V dc; rated 11V through 40V ac; surge current rated 4500A.
  13. Types 25D\*\*\*K and \*\*\*KD25, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 102, 112, 122, 142, 162 indicating varistor voltage 82V through 1600V dc; rated 50V through 1000V ac; surge current rated 15000A.
  14. Types 32D\*\*\*K and \*\*\*KD32, where \*\*\* are changeable numbers from 330, 390, 470, 560, 680 indicating varistor voltage 33V through 68V dc; rated 20V through 40V ac; surge current rated 10000A.
  15. Types 32D\*\*\*K and \*\*\*KD32, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 951, 102, 112, 122, 142, 162 indicating varistor voltage 82V through 1600V dc; rated 50V through 1000V ac; surge current rated 30000A.
  16. Types 40D\*\*\*K and \*\*\*KD40, where \*\*\* are changeable numbers from 330, 390, 470, 560, 680 indicating varistor voltage 33V through 68V dc; rated 20V through 40V ac; surge current rated 12000A.

17. Types 40D\*\*\*K and \*\*\*KD40, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 951, 102, 112, 122, 142, 162 indicating varistor voltage 82V through 1600V dc; rated 50V through 1000V ac; surge current rated 40000A.
18. Types 53D\*\*\*K and \*\*\*KD53, where \*\*\* are changeable numbers from 330, 390, 470, 560, 680 indicating varistor voltage 33V through 68V dc; rated 20V through 40V ac; surge current rated 25000A.
19. Types 53D\*\*\*K and \*\*\*KD53, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 951, 102, 112, 122, 142, 162 indicating varistor voltage 82V through 1600V dc; rated 50V through 1000V ac; surge current rated 70000A.
20. Types 34S\*\*\*K and \*\*\*KS34, where \*\*\* are changeable numbers from 330, 390, 470, 560, 680 indicating varistor voltage 33V through 68V dc; rated 20V through 40V ac; surge current rated 12000A.
21. Types 34S\*\*\*K and \*\*\*KS34, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 951, 102, 112, 122, 142, 162 indicating varistor voltage 82V through 1600V dc; rated 50V through 1000V ac; surge current rated 40000A.
22. Types 34R\*\*\*K and \*\*\*KR34, where \*\*\* are changeable numbers from 330, 390, 470, 560, 680 indicating varistor voltage 33V through 68V dc; rated 20V through 40V ac; surge current rated 12000A.
23. Types 34R\*\*\*K and \*\*\*KR34, where \*\*\* are changeable numbers from 820, 101, 121, 151, 181, 201, 221, 241, 271, 301, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 781, 821, 911, 951, 102, 112, 122 indicating varistor voltage 82V through 1200V dc; rated 50V through 750V ac; surge current rated 40000A.

Notes:

1. These varistors are certified for use only as components of other Certified equipment where the suitability of the combination is to be determined by CSA International.
2. Fuse protection may be required in combustible enclosure, where the varistor is surge rated 6000A or less.
3. The model designation may be followed by the suffix "J", "E" or "X"; and may then be followed by any alpha-numeric characters (A – Z and/or 0-9) indicating different lead length, lead shape, leads spacing or customer's request.

CSA Group Web Sites	CSA Group Sites	Information For...	Legal	About CSA Group
CSA Group Bayern GmbH	CSA Communities	Manufacturers	Privacy	CSA Group is an independent, not-for-profit member-based association dedicated to advancing safety, sustainability and social good. We are an internationally-accredited standards development and testing & certification organization. We also provide consumer product evaluation and education & training services. Our broad range of knowledge and expertise includes: industrial equipment, plumbing & construction, electro-medical & healthcare, appliances & gas, alternative energy, lighting and sustainability. The CSA mark appears on billions of products around the world.
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