

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Capacitors, Construction Only, Cat. No. CBB60.

ELECTRICAL RATINGS:

Capacitor Model No.	Capacitor		Input		Capacitance, uF
	Type: Dry - D; Oil Fill - OF		Voltage, V ac	Frequency, Hz	
CBB60	D		450	50/60	2.5 - 80

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

USR indicates investigation to UL 810, standard for Capacitors, Fifth Edition.

CNR indicates investigation to Canadian Standard C22.2 No. 190, Capacitors for Power Factor Correction.

Conditions of Acceptability - When installed in the end-use equipment, consideration shall be given to the following.

1. This Report covers only the general construction of the capacitor per the requirements in UL 810, Fifth Edition, Part 1. No evaluation of any internal or other fault protection mechanisms employed in the capacitors and no evaluation of the performance during short-circuit conditions has been conducted. The need to evaluate for short circuit conditions and the suitability of any internal fault or other protection mechanism shall be determined in the end-use application.
2. When installed in the end use application, a minimum electrical air spacing between the terminals and end product enclosure, measured in a direction perpendicular to the capacitor cover (mounting surface of the terminals), shall be provided to accommodate the possible rupture of an internal pressure protection mechanism under a fault condition.

Total Spacings	Maximum Voltage
1/2 in. (12.7 mm) (or end-use application spacings)	450

Note: These are spacings in the end installation and are not the inherent spacings of the capacitor. See Section General for required capacitor spacings.

3. The open circuit voltage of the capacitor terminals shall not exceed 450 V ac.
4. The suitability of the mounting means shall be evaluated in the end-use application. The means of mounting shall not cause deformation of the capacitor enclosure (can).
5. The manufacturer's assigned capacitance and temperature rating have not been evaluated and the suitability shall be determined in the end-use application.
6. The level of protection against corrosion has not been evaluated and shall be determined suitable for the end-use application.
7. The use of the capacitor enclosure (can) as the ultimate enclosure shall be determined suitable for the end-use application.
8. The need for a discharge means for the capacitor shall be determined in end-use application.
9. The maximum operating temperature is as noted on the markings which is based on the RTI (relative thermal index) without impact.

MARKINGS:

See section general for details.

There are no markings on these capacitors such as AFC ratings or the words "protected" or equivalent to indicate that they have been evaluated for short circuit protection.

C-UR UNITS:

Components employed on units marked C-UR shall be C-UR or CSA Certified as indicated by "CN" in the report.

CAPACITOR, CAT NO. CBB60 - Fig. 1

General - Cat. No. CBB60 described in Fig. 1 outlines dry to capacitor construction.

1. Case - Cylinder shaped, R/C QMFZ2, Beijing Chemical Ind R&D Corp (E97523). Type 302-G30T26F, minimum 0.8 mm thick, rated V-0. Overall dimensions OD 48 mm by 55 mm height.
2. Terminal Holder - R/C QMFZ2, UMG ABS Ltd (E47016). Type KJW, minimum 1.5 mm thick, rated V-0.
3. Sealing Materials - R/C QMFZ2, Epoxy resin, Shunde City Hai Yue Electronic Material Co. Ltd (E180335). Type HG, minimum 3.2 mm thick only, rated V-0. Filled to Enclosure which secures Element and Leads in place.
4. Quick Connect Terminals - Four Provided. Tin-plated brass, 0.51 mm thick minimum, provided with detent. Provided in quad blade configurations, positioned such that minimum spacings 12.7 mm are maintained.
5. Element - Metallized polypropylene, film type.
6. Internal Lead Wire - R/C AVLV2, Polyvinyl chloride (PVC), No. 20 AWG, Foshan Shunde DaHua Electric Co Ltd (E124622), rated 105 °C, 300 v.
7. Marking - Not shown. Shall be in accordance with the description at the beginning of this section.

