



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRODUCT SPECIFICATION

NYLAKRIMP RINGS

1.0 SCOPE

- A. THIS PRODUCT SPECIFICATION COVERS THE NYLAKRIMP RINGS WITH NYLON INSULATION AND TIN PLATING FOR 8 AWG TO 4/0 AWG WIRE.

2.0 PRODUCT DESCRIPTION

2.1 INSULATED RING TERMINALS

- A. 19067 NYLAKRIMP BRAZED RINGS 8 – 4/0 AWG

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

- A. THE DIMENSIONAL CHARACTERISTICS ARE IDENTIFIED ON THE SALES DRAWINGS.
- B. MATERIALS:
 - I. BASE MATERIAL IS C11000 COPPER IN VARIOUS THICKNESSES.
 - II. PLATING IS MATTE TIN .000100(0.00254) MINIMUM THICKNESS.
 - III. INSULATION MATERIAL IS NYLON IN VARIOUS COLORS.

2.3 SAFETY AGENCY APPROVALS

- A. 8 AWG THROUGH 4/0 AWG PARTS ARE UL LISTED E32244 CATEGORY ZMVB
- B. 8 AWG THROUGH 1/0 AWG PARTS ARE CSA CERTIFIED LR18689 CLASS 6223-02
- C. ALL PARTS ARE ROHS COMPLIANT

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

- A. UL LISTED TO STANDARD 486A & B
- B. CSA CERTIFIED TO STANDARD C22.2 NO 65

4.0 RATINGS

4.1 VOLTAGE

- A. ALL UL/CSA LISTED PARTS UNDER THIS SPEC ARE RATED AT 600VAC.

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PRODUCT SPECIFICATION

4.2 CURRENT

A. THE AMPERAGE RATING IS BASED ON THE WIRE AWG APPLIED TO THE TERMINALS PER UL 486 A & B SHOWN BELOW.

WIRE AWG	MAX AMPERE RATING
8	50
6	65
4	85
2	115
1	130
1/0	150
2/0	175
3/0	200
4/0	230

4.3 TEMPERATURE

A. OPERATING - 105°C (221°F)

4.4 FLAMMABILITY

A. ALL PARTS UNDER THIS SPECIFICATION HAVE NYLON INSULATION WITH UL FLAMMABILITY RATING OF 94V-2.

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PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Temperature Rise as a result of Current Cycling*	The Test Specimens shall complete 500 cycles of equal current on and off (1 hr ea.) at the current levels noted in Table 7 for 75C*.	Temperature Rise must not exceed 125C over Ambient
2	Static Heating Sequence - Static Heating*	The Test Samples must carry continuous current as noted in Table 7* until stabilization.	Temperature Rise must not exceed 50C over Ambient
3	Static Heating Sequence - Secureness*	The Test Samples, with correct conductor length, are fastened thru a bushing, at the height indicated and with a mass suspended from the free end per Table 26*.	The Test Samples must be intact at the transition area after 30 minutes.
4	Static Heating Sequence – Pullout*	The Test Samples from Secureness Test are subjected to a Direct Axial Pull with a Force Applied per Table 27*	The Test Samples must withstand Table 27* Force applied for 1 minute

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Wire Pullout Force* (Axial)	Test Samples Crimped to Min/Max wire awg are subjected to an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	The Test Samples must withstand Table 27* Force applied for 1 minute

* See UL Standard 486A & B for Test Descriptions and Table information

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

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