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Telecommunications
Engineers***

**ENGINEERING COMMITTEE
Interface Practices Subcommittee**

AMERICAN NATIONAL STANDARD

ANSI/SCTE 200 2016

**Specification for a 75 ohm 'MMCX' Connector (MMCX-75),
Male & Female Interface**

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Table of Contents

Title	Page Number
NOTICE	2
1. Scope	5
2. Normative References	5
2.1. SCTE References	5
2.2. Standards from other Organizations	5
3. Informative References	5
3.1. Standards from other Organizations	5
4. Compliance Notation	6
5. Definitions	6
5.1. Definitions	6
6. Electrical Requirements	7
7. Mechanical Dimensions	8
7.1. Female Socket	8
7.2. Male Plug	9
7.3. Center Pin	10
7.3.1. Insertion and Retention Force	10
7.4. Outer Plug	11
7.4.1. Insertion and Retention Force	12
7.5. Test Plug	13
7.6. Test Socket	14
8. Mechanical Requirements	15
8.1. Base Material	15
8.2. Plating	15
9. Environmental Requirements	15
9.1. Temperature	15
9.2. Specifications	15

List of Figures

Title	Page Number
FIGURE 1 – FEMALE SOCKET GEOMETRY	8
FIGURE 2 – MALE PLUG GEOMETRY	9
FIGURE 3 – GAUGE FOR CENTER PIN	10
FIGURE 4 – GAUGE FOR OUTER PLUG	11
FIGURE 5 – TEST PLUG	13
FIGURE 6 – TEST SOCKET	14

List of Tables

Title	Page Number
TABLE 1 – TABLE OF UNITS	6
TABLE 2 – ELECTRICAL REQUIREMENTS OF MMCX-75 PLUG – SOCKET INTERFACE ONLY	7
TABLE 3 – FEMALE SOCKET DIMENSIONS	8

ANSI/SCTE 200 2016

TABLE 4 – MALE PLUG DIMENSIONS	9
TABLE 5 – CENTER PIN GAUGE	10
TABLE 6 – OUTER PLUG GAUGE	12
TABLE 7 – TEST PLUG	13
TABLE 8 – TEST SOCKET	14
TABLE 9 – MECHANICAL REQUIREMENTS OF MMCX-75 PLUG – SOCKET INTERFACE	15
TABLE 10 – ENVIRONMENTAL SPECIFICATIONS	15

ANSI/SCTE 200 2016

1. Scope

The purpose of this document is to specify requirements for the male/female interface of a 75 ohm, 3 GHz rated connector series generically known as MMCX-75. This is an indoor connector with applications in controlled environments such as headends and hubsites where high density platform chassis are used. MMCX-75 connectors are not intended to be mated with 50 ohm MMCX design counterparts.

All requirements of this document are measured after installation per manufacturer's instructions of the cable into the connector.

This document will address only the interface, not the connector body, the cable requirements, and the connector attachment to the cable or PC board. Mechanical, electrical and environmental performance is defined to ensure a reliable connection for permanent installations, as well as temporary adapters and calibration standards.

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of the standard. At the time of Subcommittee approval, the editions indicated were valid. All standards are subject to revision; and while parties to any agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the documents listed below, they are reminded that newer editions of those documents may not be compatible with the referenced version.

2.1. SCTE References

- ANSI/SCTE 04 2014 – Test Method for "F" Connector Return Loss
- ANSI/SCTE 48-1 2015 – Test Method for Measuring Shielding Effectiveness of Passive and Active Devices Using a GTEM Cell
- ANSI/SCTE 103 2012 – Test Method for DC Contact Resistance, Drop cable to F-Connectors and F81 Barrels
- ANSI/SCTE 144 2012 – Test Procedure for Measuring Transmission and Reflection

2.2. Standards from other Organizations

- Bellcore GR-1503-CORE 4.8
- IEC 60169-1
- EIA-364-65
- MIL-STD-202

3. Informative References

The following documents may provide valuable information to the reader but are not required when complying with this standard.

3.1. Standards from other Organizations

- MIL-STD-889