

1 SCOPE

1.1 Introduction

This specification covers performance, test and quality requirements for the Tyco Electronics SMA plug terminator

1.2 Qualification

When tests are performed on the subject product line, procedures specified in this Product Specification shall be used. All inspections shall be performed using applicable inspection plan and product drawing.

2 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the latest edition of the document applies. In the event of conflict between requirements in this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements in this specification and referenced documents, this specification shall take precedence.

2.1 Tyco Electronics Documents

- 501-71007 Qualification Test Report
- 1460802 SMA plug terminator

2.2 Commercial Standards

- IEC 60512 : Electromechanical Components For Electronic Equipment; Basic Testing. Procedures and Measuring Methods Part 1: General
- IEC 60068 : Basic Environmental Testing Procedures for Electric Components and Electronic Equipment
- MIL-STD-801 : Environmental test methods and engineering guidelines
- CECC 22110 : SMA general specification
- IEC 169-15 : SMA general specification

3 REQUIREMENTS

3.1 Design and Construction

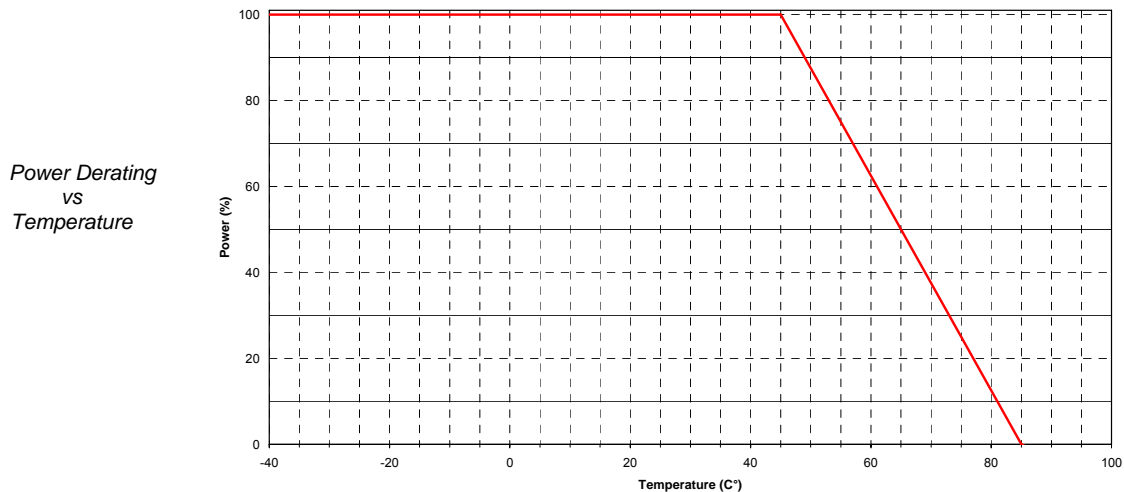
Product shall be of the design, construction and physical dimensions specified on the applicable product drawing.

3.2 Materials

Materials used in the construction of this product shall be as specified on the applicable customer drawing.

3.3 Ratings

- A. Operating temperature: -40°C to +85°C
- B. Nominal Impedance: 50 Ohms
- C. Power : 1 W - 40°C to 45°C



- D. RF performance :

	DC – 2.2 GHz	2.2 – 6 GHz
VSWR	≤ 1.06	≤ 1.15
Return Loss	≥ 30 dB	≥ 23.1 dB

3.4 Mechanical

- Coupling Torque : - Normal 1 Nm
- Proof 1.3 Nm max.