

# Specifications

# Trimble EM120 EMPOWER 2.4GHz Radio Module



**Name** **Trimble EM120 2.4GHz Module**

## General

2.4 GHz Frequency Hopping Spread Spectrum technology  
Worldwide license-free operation  
3.3 Volt operation

## Physical

Dimensions (L × W × D) 102.5 mm × 55 mm × 49.74 mm (4.04" × 2.17" × 1.96")  
Length with antenna 241.73 mm (9.52")  
Weight 149.6g (5.28oz)  
Weight with antenna 174.25.6g (6.15oz)  
Housing Polycarbonate / PET Blend  
Color Black

## Environmental

Ingress protection IP68 (IEC 60529)  
Drops Multiple drops from 1.2m onto concrete. MIL-STD-810G Method 501.5 Procedure II  
Vibration General minimum integrity and loose cargo tests. Method 514.6, Procedure I & II, Category 5  
Operating Temperature -30°C to +60 °C (-22°F to 140°F)  
Storage Temperature -40°C to +70 °C (-40°F to 158°F)  
Humidity 90% Relative humidity non-condensing (MIL-STD-810G Method 507.6)  
High altitude operation 9,144 m (30,000 ft)

## Compliance

FCC, IC, ACMA, ANATEL, CE, TRA, ICASA, NRTL & CB Scheme, and RoHS

*Specifications subject to change without notice.*

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