

## kwiQMate™ QMA Attenuator



Emerson Network Power Connectivity Solutions offers the **Midwest Microwave** line of QMA attenuators featuring a push-on style SMA interface. This line of attenuators integrates the kwiQMate™ interface into its industry leading high quality and performance line of microwave attenuators. These attenuators are offered as an alternative to standard SMA versions for new generation Telecom Base Stations and Mil-Aero applications with requirements for quick and secure low force mating in higher density configurations with space constraints. Replacing standard threaded SMA designs with the kwiQMate™ snap-lock mechanism allow for increased packaging density as torque wrench clearance space is no longer required.

Our unique snap-lock mating design provides excellent electrical performance and low VSWR. The kwiQMate™ interface meets or exceeds the performance requirements of MIL-PRF-39012. These attenuators are 50 ohm devices which operate to 6.0 GHz. The attenuator bodies are constructed of brass with Tri-Alloy plating as a standard finish. All contacts are plated with 50 micro-inches of gold for excellent durability and performance in high frequency mating environments.

### Key Features & Benefits

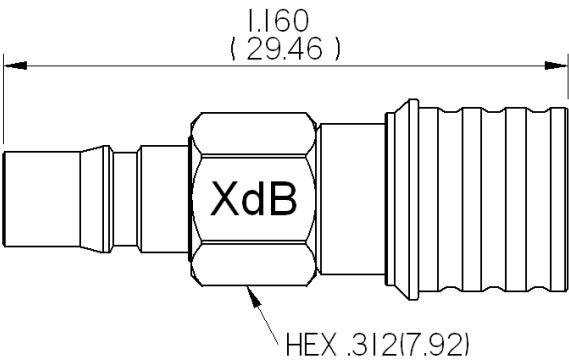
- Excellent VSWR and attenuation accuracy
- Compact, high quality design
- Ideal for high density packaging applications
- High performance kwiQMate™ interface
- Offered from stock in 1, 2, 3, 6 & 10 dB values with other dB values(1-30dB) available upon request

### ■ Materials

- Rugged Brass Tri-Alloy Construction
- BeCu spring construction

All dimensions are inches

Technical Drawing



Technical Specifications

| Performance           |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Impedance:            | 50 Ohms                                                               |
| Frequency Range:      | 0-6 GHz                                                               |
| Attenuation Values:   | 1, 2, 3, 6, and 10 dB Nominal*                                        |
| Attenuation Accuracy: | +/-0.5                                                                |
| VSWR Max:             | 1.30                                                                  |
| Average Input Power:  | 2 W Max @ +25°C, Derated Linearly to 0.5W at +125°C                   |
| Temperature range     | -55 to +125°C                                                         |
| Shock                 | MIL-STD-202, Method 213, Condition I                                  |
| Thermal Shock         | MIL-STD-202, Method 107, Condition B ( except +85°C high temperature) |
| Vibration Sinusoidal  | MIL-STD-202, Method 204, Condition D                                  |