

# ZMA Quick-Disconnect Connectors



## Equivalent to SMA through 18 GHz

MegaPhase ZMA Series precision coaxial connectors and adapters are ideal for applications where there are constraints on space. The bayonet-style coupling nut is easily mated and de-mated with a quarter turn, without the need for a torque wrench. For applications such as antenna systems, this connector provides excellent mechanical stability and eliminates the need for lock wiring in high vibration environments where space is limited. In test systems, this connector provides a fast and accurate method for continuous connects and disconnects.

The connectors are “keyed” with lugs in 2-, 3- or 4-lug styles. MegaPhase also offers a full line of in-series and between-series adapters, including SMA, through 18 GHz.

### Electrical Data

<b>Maximum Frequency:</b>	
TM, TV & 520:	18 GHz
A08:	12.4 GHz
<b>Impedance:</b>	50 $\Omega$ nominal
<b>Maximum VSWR:</b>	
DC-8 GHz:	1.05:1
8-12.4 GHz:	1.15:1
12.4-18 GHz:	1.25:1
<b>Max. Insertion Loss:</b>	$\text{dB} = 0.05 \times (\text{FGHz})^{1/2}$

### Mechanical Data

<b>Body:</b>	Passivated SST per ASTM A582
<b>Bead:</b>	PTFE per ASTM-D-1710
<b>Center Pin:</b>	Gold Plated Beryllium Copper per ASTM-B-196
<b>Min Matching Cycles:</b>	500