

**FOR RELEASE: *IMMEDIATELY***

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**CDM NOW OFFERS FLEXIBLE, PHASE STABLE CABLE ASSEMBLIES  
FOR APPLICATIONS REQUIRING LOW PHASE CHANGE WITH TEMPERATURE**

***Assemblies Feature Linear Phase Stability in a Coax Structure  
To Optimize System Performance and Accuracy***

October 4, 2006, Turnersville, NJ...CDM Electronics, a leading distributor of commercial and military (MIL-SPEC) interconnect products, and premier provider of value-added contract manufacturing services, is now offering phase stable cable assemblies utilizing Times Microwaves Systems' PhaseTrack™ -210 cables with TF4™ dielectric technology. This proprietary dielectric is a fluoropolymer material process developed specifically for employment in RF and microwave applications requiring an extremely linear phase-temperature characteristic while addressing system designers' demands for flexible cable. Notably, the cables boast phase change with temperature of < 1.5 ppm/degrees C (-55 degrees C to +85 degrees C), and will not develop a Teflon™ "knee" as they do not undergo the change in dielectric constant and abrupt change in electrical length that LD-PTFE (low-density Polytetrafluorethelene) cables experience at normal room ambient (approximately +18 degrees C/+65 degrees F) conditions. As they additionally withstand repeated flexure while remaining within very tight electrical specifications, the assemblies are a superior alternative to LD-PTFE, SiO2 (Silicon Dioxide), or other conventional cables.

Ideal for use by engineers designing high-performance systems, CDM's phase stable cable assemblies may be confidently specified for deployment in a broad range of system platforms including ground, sea, and aerospace. They are singularly well suited for use in any mission critical application where temperature is fluctuating. Among the most common applications are satellite and military aircraft, phased array antenna systems, system interconnects and test and measurement environments.

Featuring triple shield construction to provide shielding effectiveness of better than -100 dB, the cables' outside diameter measures 0.210" (5.3 mm). Further, the 50-ohm impedance cables have a minimum bend radius of 1.00" (25.4 mm). They typically measure 0.14 dB per foot @ 2 GHz, 0.39 dB per foot @ 10 GHz, 0.59 dB per foot @18 GHz, and yield a low 1.35:1 VSWR. Phase stability with bending is 1 degree at 18 GHz. Their operating voltage is 2500 V (1000 V with SMA connectors), whereas cables' operating temperature range is -55 degrees C to +125 degrees C.

CDM provides both standard and custom phase stable cable assemblies with a broad range of cable lengths and connector interfaces including , N, MUHF, F, BNC, 716DIN, TNC, SMA, UHF QDS (quick disconnect), reverse polarity, and QMA. To learn more about CDM's phase stable cable assemblies featuring PhaseTrack-210 cables with TF4 dielectric technology, visit [www.CdmElectronics.com](http://www.CdmElectronics.com).

Pricing for CDM's phase stable cable assemblies start at \$75.00 each; delivery is same day to 1 week.

PhaseTrack™-210 and TF4™ are trademarks of Times Microwave Systems.  
Teflon™ is a trademark of Du Pont

#### **About CDM**

CDM Electronics, Inc. is an authorized, stocking distributor of full lines of high-quality relay sockets and circular, printed circuit, rack and panel, RF, and audio communications connectors. Serving world leaders in the military, aerospace, industrial, medical and telecommunications industries, the Company additionally employs state-of-the industry documented and controlled systems in its value-added contract manufacturer division which specializes in mission-critical cable assemblies. CDM is certified to ISO 9001:2000. For information on CDM and its services, visit [www.CdmElectronics.com](http://www.CdmElectronics.com).

#### **About Times Microwave Systems (TMS)**

Times Microwave Systems has over 50 years experience in the design and manufacture of high performance flexible and semi-rigid coaxial cable, connectors, and cable assemblies for RF transmission from HF through microwave frequencies. An engineering oriented organization, the Company is committed to continuous improvement with respect to ISO-9001 Quality Standards and ISO-14001 Environmental Management Systems. Information on TMS is available at [www.timesmicrowave.com](http://www.timesmicrowave.com).