

Pasternack Releases New High Isolation RF Switches

Written by Australian Business

IRVINE, CA, August 31, 2014 **/24-7PressRelease/** -- Pasternack Enterprises, Inc., an industry-leading manufacturer and supplier of RF, microwave and millimeter wave products, debuts an entirely new family of high isolation PIN diode switches consisting of three low insertion loss, high isolation and high speed modules, covering a frequency range of 1 to 12 GHz. When signal integrity and performance are a critical component of system functionality, the higher the isolation figure, the better the overall performance will be. Pasternack's new PIN diode switches feature very high port-to-port isolation of greater than 90 dB at 1-2 GHz, 80 dB at 2-4 GHz and 75 dB at 6-12 GHz. Insertion loss of the high isolation switches from Pasternack varies between 1.0 dB and 2.5 dB depending upon the frequency and switching speed performance ranges from 35 and 75 nanoseconds. These new RF switches are designed with complementary-metal-oxide-semiconductor (CMOS) transistor-transistor logic (TTL) drivers, and are fully matched internally for 50 Ohm input and output, which eliminates the customers need for any additional sensitive RF tuning components. Pasternack's new hi-rel PIN diode switches are housed in SMA-connectorized casings that are built to withstand a wide operating temperature range of -54 to +85 degrees C making them ideal for use in many common defense and commercial applications. These particular PIN diode switches from Pasternack are also constructed to meet typical military specifications in areas such as vibration, shock, temperature and humidity.

"Our new offering of high isolation switches are an important addition to our growing active RF component portfolio," explains Michael Rachlin, Director of Product Management at Pasternack. "By making a large library of active components available from stock, Pasternack is helping RF engineers test their concepts and ideas more rapidly and complete their projects on time." Pasternack's new high isolation PIN diode switches are available today from stock. You can view the new RF switches by visiting http://www.pasternack.com/pages/Featured_Products/high-isolation-pin-diode-switches.htm. Pasternack can be contacted at +1-949-261-1920.

About Pasternack: A leader in RF products since 1972, Pasternack is an ISO 9001:2008 certified manufacturer and supplier that offers the industry's largest selection of passive and active RF, microwave and millimeter wave products available for same-day shipping.