

Control the comb. Control the clarity.



The sensitivity and the distance you've been striving for from your radar or surveillance receiver is now within reach. New GaAs comb generators from Aeroflex / Metelics are a best-in-class, non-linear-transmission-line (NLTL) innovation that provides 10 to 18 dB lower phase noise for better sensitivity than Si step recovery diode (SRD) comb generators. Offering phase noise as low as -135 dBc/Hz at 100 Hz offset from the 12 GHz harmonic, the MLPNC series creates clean, low-conversion-loss harmonics to 30 GHz over variable input frequencies from 400 to 1300 MHz. Their variable input power from 21 to 23 dBm make them easy to drive and operate. They provide ultimate system design flexibility and the opportunity to simplify your system architecture.

Visit our website or call
888-641-7364.

www.aeroflex.com/metelics

Nonlinear Transmission Line GaAs Comb Generators

Part Number	Power (dBm)		Output Harmonics (dBm)*		
	Minimum	Maximum	> -8 @ 4 GHz	> -16 @ 12 GHz	> -20 @ 20 GHz
MLPNC-7102-SMA800	21 @ 400 MHz	23 @ 600 MHz	> -8 @ 4 GHz	> -16 @ 12 GHz	> -20 @ 20 GHz
MLPNC-7102-SMT680	21 @ 400 MHz	23 @ 600 MHz	> -8 @ 4 GHz	> -16 @ 12 GHz	> -20 @ 20 GHz
MLPNC-7103-SMA800	21 @ 800 MHz	23 @ 1300 MHz	> -5 @ 6 GHz	> -15 @ 18 GHz	> -20 @ 30 GHz
MLPNC-7103-SMT680	21 @ 800 MHz	23 @ 1300 MHz	> -5 @ 6 GHz	> -15 @ 18 GHz	> -20 @ 30 GHz

* Contact the factory for additional information or for products not covered in the table.

