












Model	THD						
	SMD						
Frequency range		10 ~ 20 MHz	10 MHz	10 MHz	50 ~ 160 MHz		
Phase noise [dBc/Hz] at 10 MHz or 100 MHz		-100 1 Hz -130 10 Hz < -150 Floor	-105 1 Hz -135 10 Hz < -160 Floor	-115 1 Hz -146 10 Hz < -170 Floor	-105 10 Hz -137 100 Hz < -170 Floor	-105 10 Hz -137 100 Hz < -175 Floor	-110 10 Hz -140 100 Hz < -183 Floor
Stability		±5 ppb	±5 ppb	±5 ppb	±10 ppb	±10 ppb	±100 ppb
Temperature range	-55°C ~ +95°C						
Supply voltage		5 ~ 12 V	12 ~ 15 V				
Size	THD	20 x 20 mm (CO 41)	25 x 20 mm DIL 16-pin	36 x 27 mm (CO 08) 7-pin	20 x 20 mm (CO 41)	25 x 25 mm (CO 43)	50 x 50 x 21 mm SMA Feedthrough
	SMD	25 x 22 mm (CO 28)	25 x 22 mm (CO 28)	41 x 30 mm	25 x 22 mm (CO 28)	27.8 x 27.8 mm	

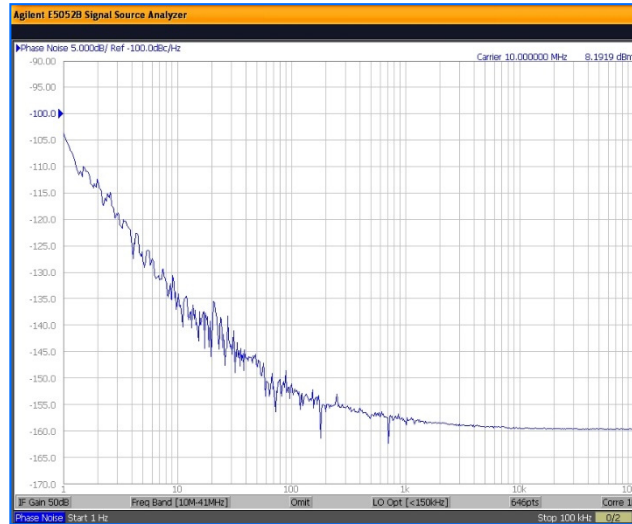


Phase Noise Characteristics

10 MHz

AXIOM10HP
AXIOM30HP

- 105 dBc/Hz @ 1 Hz
- 135 dBc/Hz @ 10 Hz
- 153 dBc/Hz @ 100 Hz
- 157 dBc/Hz @ 1 kHz
- 160 dBc/Hz @ ≥ 10 kHz



AXIOM45ULN-C
AXIOM145ULN-C

- <-115 dBc/Hz @ 1 Hz
- 146 dBc/Hz @ 10 Hz
- 157 dBc/Hz @ 100 Hz
- 165 dBc/Hz @ 1 kHz
- <-170 dBc/Hz @ ≥ 10 kHz



100 MHz

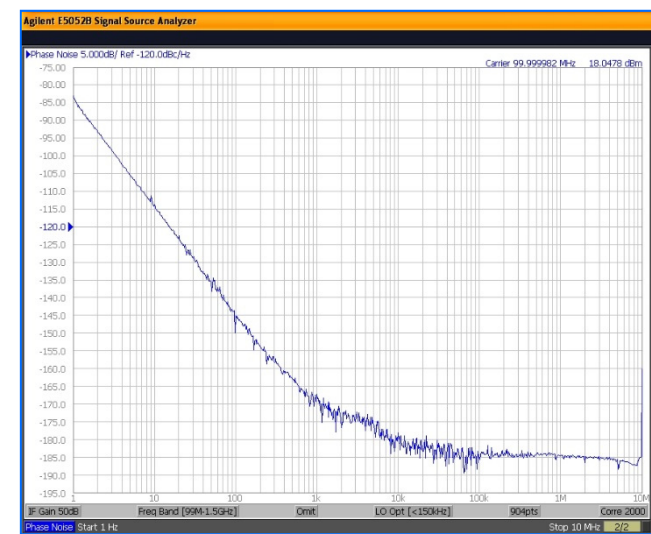
AXIOM75ULN-E
AXIOM175ULN-E

- 105 dBc/Hz @ 10 Hz
- 140 dBc/Hz @ 100 Hz
- 165 dBc/Hz @ 1 kHz
- <-175 dBc/Hz @ ≥ 10 kHz



AXIOM5050ULN-E

- <-80 dBc/Hz @ 1 Hz
- 115 dBc/Hz @ 10 Hz
- 145 dBc/Hz @ 100 Hz
- 170 dBc/Hz @ 1 kHz
- 180 dBc/Hz @ 10 kHz
- 185 dBc/Hz @ ≥ 100 kHz



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