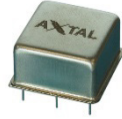
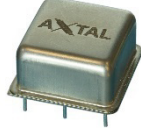

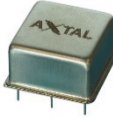
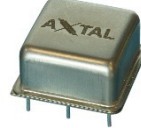



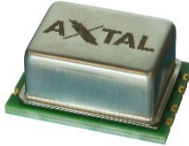




Model	THD						
		<b>AXIOM35LN</b>	<b>AXIOM75LN</b>	<b>AXIOM45ULN</b>	<b>AXIOM35ULN</b>	<b>AXIOM75ULN</b>	
	SMD						
		<b>AXIOM15LN</b>	<b>AXIOM175LN</b>	<b>AXIOM145ULN</b>	<b>AXIOM15ULN</b>	<b>AXIOM175ULN</b>	<b>AXIOM5050ULN</b>
Frequency range		10 MHz			50 ~ 160 MHz		
Phase noise [dBc/Hz] at 10 MHz or 100 MHz		-100 1 Hz -130 10 Hz < -155 Floor	-110 1 Hz -140 10 Hz < -165 Floor	-115 1 Hz -143 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 < -180 Floor
Stability		±5 ppb			±25 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 25 mm (CO 43)	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)	27.8 x 27.8 mm	41 x 30 mm	25 x 22 mm (CO 28)	27.8 x 27.8 mm	

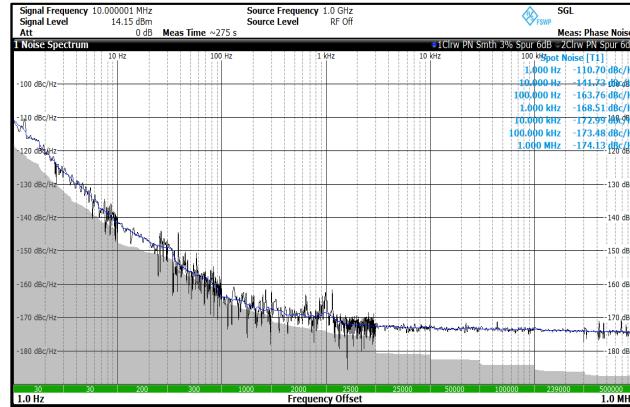


# Phase Noise Characteristics

10 MHz

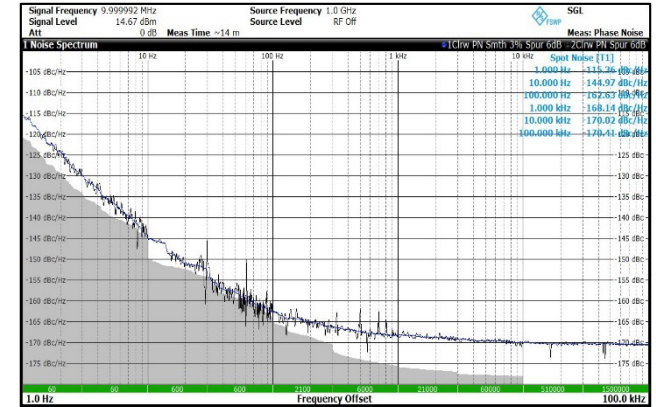
## AXIOM75LN AXIOM175LN

- 110 dBc/Hz @ 1 Hz
- 140 dBc/Hz @ 10 Hz
- 160 dBc/Hz @ 100 Hz
- 170 dBc/Hz @ 1 kHz
- 173 dBc/Hz @ ≥10 kHz



## AXIOM45ULN-C AXIOM145ULN-C

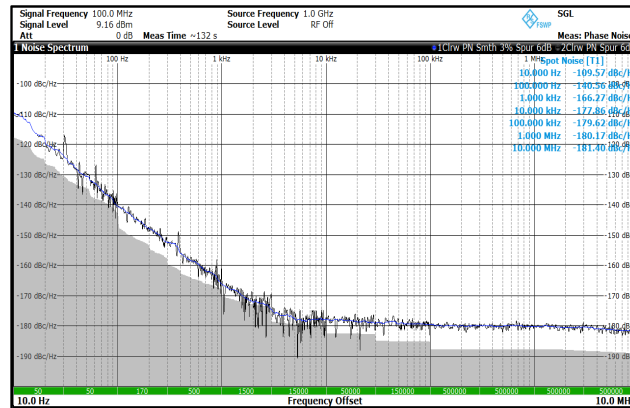
- 115 dBc/Hz @ 1 Hz
- 143 dBc/Hz @ 10 Hz
- 160 dBc/Hz @ 100 Hz
- 167 dBc/Hz @ 1 kHz
- 170 dBc/Hz @ ≥10 kHz



100 MHz

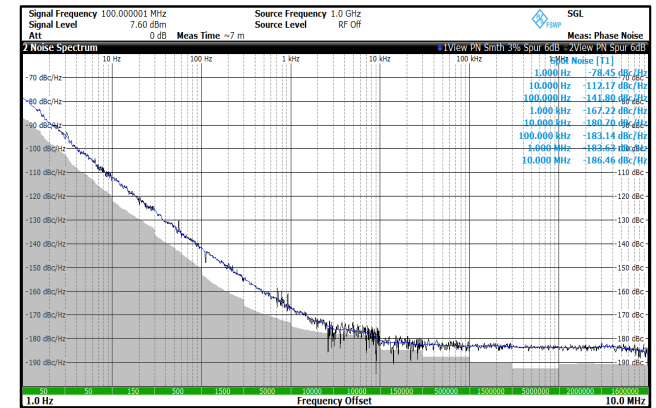
## AXIOM75ULN-E AXIOM175ULN-E

- 108 dBc/Hz @ 10 Hz
- 138 dBc/Hz @ 100 Hz
- 165 dBc/Hz @ 1 kHz
- 175 dBc/Hz @ ≥10 kHz



## AXIOM5050ULN-E

- 80 dBc/Hz @ 1 Hz
- 110 dBc/Hz @ 10 Hz
- 140 dBc/Hz @ 100 Hz
- 167 dBc/Hz @ 1 kHz
- 180 dBc/Hz @ 10 kHz
- 183 dBc/Hz @ ≥100 kHz



## AXIOM15ULN AXIOM35ULN

< -170 dBc/Hz @ ≥10 kHz

