

"Quietly the Best"

Solutions for the Most Demanding Applications

ULTRA LOW NOISE OSCILLATORS



ONYX IV OCXOs - Low-G - Low Noise - Low Cost - 5 MHz to 130 MHz

Part Number	Description	Output Frequency	Typical Phase Noise (dBc/Hz, static, free-running)					Temperature Stability (Ref: +25°C)	G-Sensitivity (per G, per axis)	Package Size (inches)
			10 Hz	100 Hz	1 kHz	10 kHz	100 kHz+			
501-22578-01	Standard ONYX IV OCXO	10 MHz	-125	-150	-160	-165	-165	±2E-8, 0 to +50°C	N/A	1 x 1 x 0.5"
501-26709-02	Standard Rugged ONYX IV OCXO	10 MHz	-125	-150	-160	-165	-165	±5E-8, -20 to +70°C	≤ 3E-10	1 x 1 x 0.5"
501-26719-03	Premium Rugged ONYX IV OCXO	10 MHz	-135	-158	-163	-165	-165	±5E-8, -20 to +70°C	≤ 2E-10	1 x 1 x 0.5"
501-24761-02	Standard Rugged ONYX IV OCXO	100 MHz	-90	-122	-140	-160	-165	±5E-7, -20 to +70°C	≤ 3E-10	1 x 1 x 0.5"
501-24762-02	Premium Rugged ONYX IV OCXO	100 MHz	-95	-127	-152	-165	-172	±5E-7, -20 to +70°C	≤ 3E-10	1 x 1 x 0.5"
501-24762-03	Premium Rugged ONYX IV OCXO	100 MHz	-95	-127	-152	-165	-172	±5E-7, -20 to +70°C	≤ 2E-10	1 x 1 x 0.5"



10 & 100 MHz Models In Stock!

Citrine OCXOs - Ultra Low Noise - Vibe Iso - Low-G - 1 MHz to 700 MHz

Part Number	Description	Output Frequency	Typical Phase Noise (dBc/Hz, static, free-running)					Natural Mount Resonance	G-Sensitivity (per G, per axis)	Ext Ref Freq	Package Size (inches)
			10 Hz	100 Hz	1 kHz	10 kHz	100 kHz+				
501-24825	ULN OCXO	100 MHz	-100	-130	-158	-176	-176	N/A	≤ 3E-10	N/A	2 x 2 x 0.7"
501-25900	Golden ULN OCXO	100 MHz	-108	-138	-163	-183	-188	N/A	≤ 5E-10	N/A	2 x 2 x 0.7"
501-24942	Vib Isolated ULN OCXO	100 MHz	-100	-130	-158	-176	-176	~50 Hz	≤ 3E-10	N/A	2.8 x 3.0 x 1.15"
501-26231	Vib Isolated ULN PLOCXO	100 MHz	-100	-130	-158	-176	-176	~30 Hz	≤ 3E-10	10 MHz	2.8 x 3.0 x 1.75"
501-23792	ULN OCXO Plus (x5)	500 MHz	-85	-115	-142	-159	-160	N/A	≤ 3E-10	N/A	2 x 2 x 1.3"
501-25999	Vib Isolated ULN OCXO Plus (x5)	500 MHz	-85	-115	-142	-159	-160	~30 Hz	≤ 5E-10	N/A	2.8 x 3.0 x 1.75"



NEW -188 dBc/Hz

MXO OCXOs - Multiplied - Ultra Low Noise - 200 MHz to 12 GHz

Part Number	Description	Output Frequency	Typical Phase Noise (dBc/Hz, static, free-running)					G-Sensitivity (per G, per axis)	Ext Ref Freq	Package Size (inches)
			10 Hz	100 Hz	1 kHz	10 kHz	100 kHz+			
501-24145	Multiplied OCXO (100 MHz x 5)	500 MHz	-85	-115	-143	-159	-160	≤ 5E-10	N/A	2.25 x 4 x 1"
501-26838	Golden MXO (100 MHz x 5)	500 MHz	-91	-121	-146	-167	-170	≤ 5E-10	N/A	3.25 x 4 x 1"
501-23950	Multiplied PLOCXO (100 MHz x 5)	500 MHz	-85	-115	-143	-159	-160	≤ 5E-10	10 MHz	3.45 x 4 x 1"
501-24146	Multiplied OCXO (100 MHz x 10)	1 GHz	-79	-109	-136	-153	-154	≤ 5E-10	N/A	2.25 x 4 x 1"
501-21081	Multiplied PLOCXO (100 MHz x 10)	1 GHz	-79	-109	-136	-153	-154	≤ 5E-10	10 MHz	3.45 x 4 x 1"
501-24229	Multiplied OCXO (100 MHz x 100)	10 GHz	-57	-87	-113	-131	-132	≤ 5E-10	N/A	4.16 x 4 x 1"
501-24230	Multiplied PLOCXO (100 MHz x 100)	10 GHz	-57	-87	-113	-131	-132	≤ 5E-10	10 MHz	5.36 x 4 x 1"



NEW -170 dBc/Hz



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