

# Crystals | XOs | TCXOs

## for UAVs and Drones

Flight Control Systems • GNSS/GPS Positioning • Drone Communication Systems • Drone Camera Systems • Payload Control Systems

Product	Aker Series	Package Size	Frequency	Tolerance	Voltage	Operating Temp
Tuning Fork	D31N	3.2 x 1.5 x 0.9 mm	32.768 KHz	± 10 ~ ± 20	–	-40~+85°C -40~+125°C
Tuning Fork	D21N	2.0 x 1.2 x 0.6 mm	32.768 KHz	± 10 ~ ± 20	–	-40~+85°C
Tuning Fork	D11N	1.6 x 1.0 x 0.5 mm	32.768 KHz	± 10 ~ ± 20	–	-40~+85°C
Crystal	CXAN-321	3.2 x 2.5 x 0.75 mm	8.000~156.250 MHz	± 10 ~ ± 100	–	-40~+85°C -40~+105°C -40~+125°C
Crystal	CXAN-221	2.5 x 2.0 x 0.65 mm	12.000~133.000 MHz	± 10 ~ ± 100	–	
Crystal	CXAN-211	2.0 x 1.6 x 0.5 mm	16.000~125.000 MHz	± 10 ~ ± 100	–	
Crystal	CXAN-161	1.6 x 1.2 x 0.4 mm	24.000~96.000 MHz	± 10 ~ ± 100	–	
<a href="#">Learn More About Crystals</a>						
Oscillator	SMAN-321 32.768K	3.2 x 2.5 x 1.2 mm	32.768 KHz	± 25 ~ ± 100	1.8, 2.5, 3.3, 1.62~3.63 V	-20~+70°C -40~+85°C -40~+105°C -40~+125°C
Oscillator	SMAN-221 32.768K	2.5 x 2.0 x 0.95 mm	32.768 KHz	± 25 ~ ± 100	1.8, 2.5, 3.3, 1.62~3.63 V	
Oscillator	SMAN-211 32.768K	2.0 x 1.6 x 0.8 mm	32.768 KHz	± 25 ~ ± 100	1.8, 2.5, 3.3, 1.62~3.63 V	
Oscillator	SMAN-321	3.2 x 2.5 x 1.2 mm	1~160 MHz	± 25 ~ ± 100	0.9, 1.2, 1.5, 1.8, 2.5, 3.3, 1.62~3.63, 5.0 V	
Oscillator	SMAN-221	2.5 x 2.0 x 0.95 mm	2~160 MHz	± 25 ~ ± 100	0.9, 1.2, 1.5, 1.8, 2.5, 3.3, 1.62~3.63, 5.0 V	
Oscillator	SMAN-211	2.0 x 1.6 x 0.8 mm	2~60 MHz	± 25 ~ ± 100	0.9, 1.2, 1.5, 1.8, 2.5, 3.3, 1.62~3.63 V	
Oscillator	SMAN-161	1.6 x 1.2 x 0.7 mm	2~60 MHz	± 25 ~ ± 100	1.8, 2.5, 3.3, 1.62~3.63 V	
<a href="#">Learn More About Oscillators</a>						
TCXO	TXON-221A	2.5 x 2.0 x 0.95 mm	10~52 MHz	± 0.5 ~ ± 2.0	1.8, 2.5, 3.3, 1.68~3.63 V	-40~+85°C -40~+105°C
LVPECL	SMEN-321	3.2 x 2.5 x 1.1 mm	13.5~200 MHz	± 25 ~ ± 100	2.5, 3.3 V	-20~+70°C -40~+85°C -40~+105°C -40~+125°C
LVDS	SMDN-321	3.2 x 2.5 x 1.1	13.5~200 MHz	± 25 ~ ± 100	1.8, 2.5, 3.3, 2.375~3.63 V	-20~+70°C -40~+85°C -40~+105°C -40~+125°C
HCSL	SMLN-321	3.2 x 2.5 x 1.1	13.5~200 MHz	± 25 ~ ± 100	1.8, 2.5, 3.3, 2.375~3.63 V	-20~+70°C -40~+85°C -40~+105°C -40~+125°C