

# Crystals | XOs | TCXOs

## for Wireless and Networking

Data Centers • 5G Infrastructure • Telecom Equipment • WiFi/Bluetooth Modules • Satellite Communication • M2M Communication

Product	Aker USA Series	Package Size	Frequency	Tolerance	Voltage	Operating Temp
Tuning Fork	CTS3	3.2 x 1.5 x 0.9 mm	32.768 KHz	± 10 ~ ± 20	–	-40~+85°C -40~+125°C
Tuning Fork	CTS1	1.6 x 1.0 x 0.5 mm	32.768 KHz	± 10 ~ ± 20	–	-40~+85°C
Crystal	C3E	3.2 x 2.5 x 0.75 mm	8.000~156.250 MHz	± 10 ~ ± 30	–	-40~+85°C -40~+105°C -40~+125°C
Crystal	C1E	2.0 x 1.6 x 0.5 mm	16.000~125.000 MHz	± 10 ~ ± 30	–	-40~+85°C -40~+105°C -40~+125°C
 <a href="#">Learn More About Crystals</a>						
Oscillator	S3	3.2 x 2.5 x 1.2 mm	1~160 MHz	± 20 ~ ± 100	0.9, 1.2, 1.5, 1.8, 2.5, 3.3, 1.62~3.63, 5.0 V	-40~+85°C -40~+105°C -40~+125°C
Oscillator	S2	2.5 x 2.0 x 0.95 mm	2~160 MHz	± 20 ~ ± 100	0.9, 1.2, 1.5, 1.8, 2.5, 3.3, 1.62~3.63, 5.0 V	-40~+85°C -40~+105°C -40~+125°C
TCXO	TX32	3.2 x 2.5 x 1.2 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
TCXO	TX22	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
VCXO	V7	7.0 x 5.0 x 1.9 mm	1~52 MHz	± 25 ~ ± 100	2.5, 3.3 V	-20~+70°C -40~+85°C
VCXO	V5	5.0 x 3.2 x 1.3 mm	1~52 MHz	± 25 ~ ± 100	2.5, 3.3 V	-20~+70°C -40~+85°C
VCXO	V3	3.2 x 2.5 x 1.2 mm	1~52 MHz	± 25 ~ ± 100	2.5, 3.3 V	-20~+70°C -40~+85°C
 <a href="#">Learn More About Oscillators</a>						
LVPECL	S3A LVPECL	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	S3A LVDS	3.2 x 2.5 x 1.1 mm	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	S3A HCSL	3.2 x 2.5 x 1.1 mm	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