

Analog Signal Sampling and Reconstruction Kit

ProductCode: GKE437

Objective:

- Crystal Frequency: 6.4 Mhz
- Sampling Frequency: 2,4,8,16 &32 KHz (Switch Selectable)
- On-Board Generator: Synchronized 1 KHz Sinewave {5 Vpp}
- Crystal controlled Pulse Generator
- Demonstrates Sampling and Reconstruction as per Nyquist criterion
- On - Board Analog Genera tor (Synchronized)
- S selectable sampling frequencies
- Sampling Pulse Duty Cycle selectable
- Internal/External sampling input selectable
- Separate sample and sample/hold outputs
- On-Board 2nd order and 4th order L.P Filter



Technical Specifications:

- Crystal Frequency: 6.4 MHz
- Sampling Frequency: 2,4,8,16 & 32 KHz (Switch Selectable)
- On-Board Generator: Synchronized 1 KHz & 2KHz Sinewave (5 Vpp)
- Duty Cycle :0-90% in decade steps (switch Selectable)
- Low Pass Filters: Butter-worth 2nd & 4th Order Filter Cut-off frequency 3.4 KHz
- Fault Switches: 8 nos. through 4 way DIP switch For troubleshooting at different blocks
- Test Points: More than 50