



Integrated  
Circuit  
Systems, Inc.

## Product Brief

# M630

## VOLTAGE CONTROLLED SAW OSCILLATOR

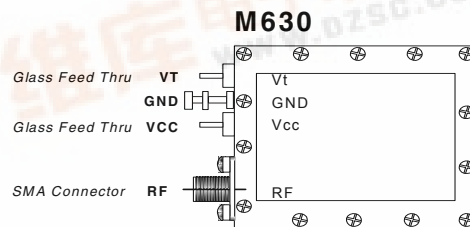
### GENERAL DESCRIPTION

The M630 is a VCSO (Voltage Controlled SAW Oscillator) frequency source for low-jitter clock generation. Its integrated SAW (surface acoustic wave) based oscillator and filters deliver output with exceptionally low phase jitter. The M630 is available in a selection of center frequencies in the 10GHz range. The M630 is suitable for phase-locked loop implementations, clock and data recovery circuits, and other timing applications for the telecom and optical fiber networking markets (OC-192/STM-64 with and without Forward Error Correction - FEC).

### FEATURES

- VCSO center frequencies from 9.953 to 12.249 GHz (Specify center frequency at time of order)
- Low phase noise -65dBc/Hz @ 1kHz offset
- Single 6.5V power supply
- Small 1.6 x 1.8 inch SMA connector package

### PIN ASSIGNMENT (1.6 x 1.8 inch SMA)



### Sample of Available Output Frequencies

VCSO Center Frequency <sup>1</sup> (GHz)	Applications
9.953 GHz	OC-192
10.664 GHz	OC-192, OTU2 FEC
12.249 GHz	OC-192 FEC

1. Specify VCSO center frequency at time of order

### BLOCK DIAGRAM

