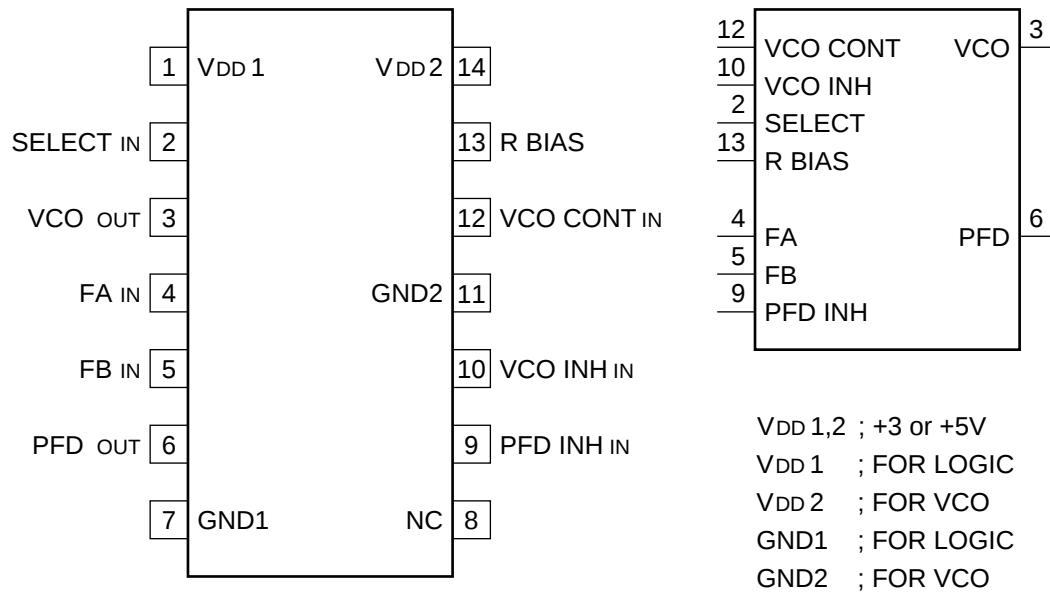

C-MOS VCO AND PHASE FREQUENCY DETECTOR

- TOP VIEW -



INPUT

FA ; REFERENCE FREQUENCY
 FB ; INPUT FREQUENCY FROM OUTSIDE COUNTER
 PFD INH ; PFD INHIBIT
 SELECT ; VCO OUTPUT FREQUENCY SELECT
 VCO CONT ; VCO CONTROL VOLTAGE
 VCO INH ; VCO INHIBIT

OUTPUT

PFD ; PHASE FREQUENCY DETECTOR
 VCO ; VOLTAGE CONTROLLED OSCILLATOR

OTHER

R BIAS ; BIAS RESISTOR FOR VCO OSCILLATION FREQUENCY SETTING

