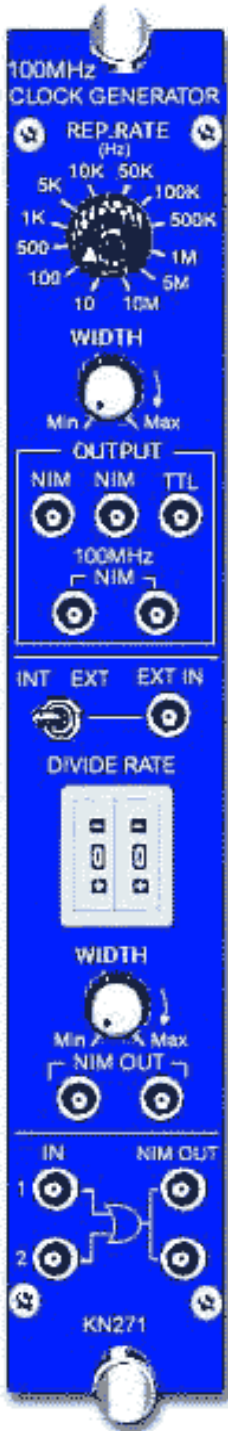# 100MHz CLOCK GENERATOR

≪ABSTRACT≫

◆This module is used for testing or adjusting of the various modules.

◆In combination with the variable delay module(KN330),
It can use as a double pulse generator.

◆The clock generater part,the pre-scaler part,the fan-in part and the fan-out part
are used independently.

≪Specifications≫

1）The clock generater part
◇Frequency（NIM output）: 100MHz
◇Pre-set frequency（NIM and TTL output）
10MHz、5MHz、1MHz、500KHz、100KHz、50KHz、10KHz、
5KHz、1KHz、500Hz、10Hz/TTL output is 50Ω driver.
◇Pulse width：about 4nS～70nS variable continuously

2）The pre-scaler part
◇Input signal：Select internal clock（100MHz）or external clock（NIM）
◇External input MAX frequency : Approx.250MHz/NIM
◇Divide ratio : 2～256/8bit
◇Output（NIM）Signal width：Approx.1．5nS～50nS

3）The fan-in, fan-out part
◇2 input（NIM）/2 output（NIM）

◆Input and output connector : Standard LEMO connector.

◆Packaging : NIM standard single-width module.

◆Consumption current　－6V : 1．0A
　　　　　　　　　　　　＋6V : 250mA