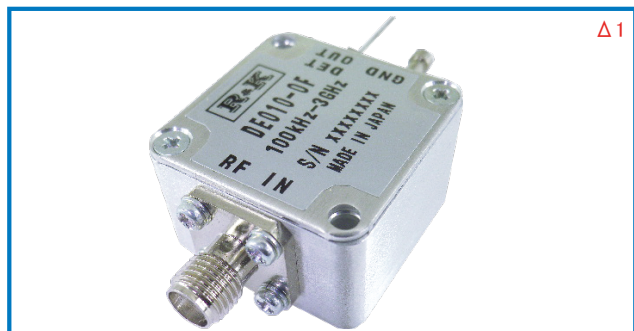
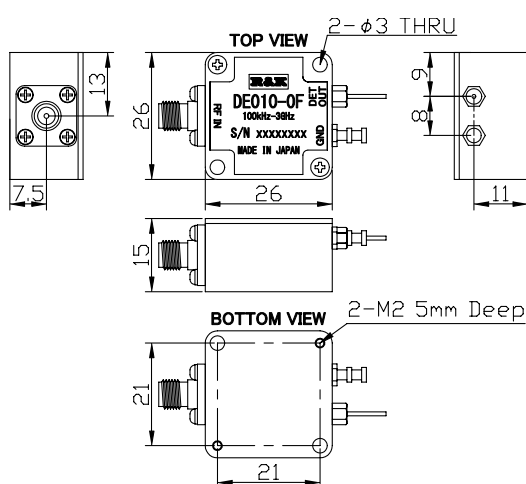


R&K-DE010-0F



OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency : 0.1 ~ 3000MHz
- Frequency Flatness : $\pm 0.5\text{dB}$ (max.)
@+15dBm Input
- Zero Bias Diode Detector
- RoHS Compliance

SPECIFICATIONS

Frequency Range	: 0.1 - 3000MHz
Frequency Flatness	: $\pm 0.5\text{dB}$ (max.) @+15dBm Input
Dynamic Range	: 30dB(min.) @2GHz
Input Impedance	: 50 Ω
Input VSWR	: 1.6 : 1 (typ.)
High Level Sensitivity	: -1V (typ.) @+15dBm Input
Low Level Sensitivity	: -0.3mV (typ.) @-30dBm Input
Response Time	: 0.1ms(max.) tRise 4.0ms(max.) tFall
Maximum RF Input Power	: +20dBm
Operating Temperature	: -20°C to + 60°C
Storage Temperature	: -20°C to + 80°C
Input Connector (Standard)	: SMA-FEMALE
Output Connector (Standard)	: EMI FILTER
(Option)	: SMA-FEMALE
Weight (EMI FILTER)	: 25g (typ.)

OUTPUT characteristics are measured with 1M Ω .
Impedance is DC50 Ω between RF input and GND.

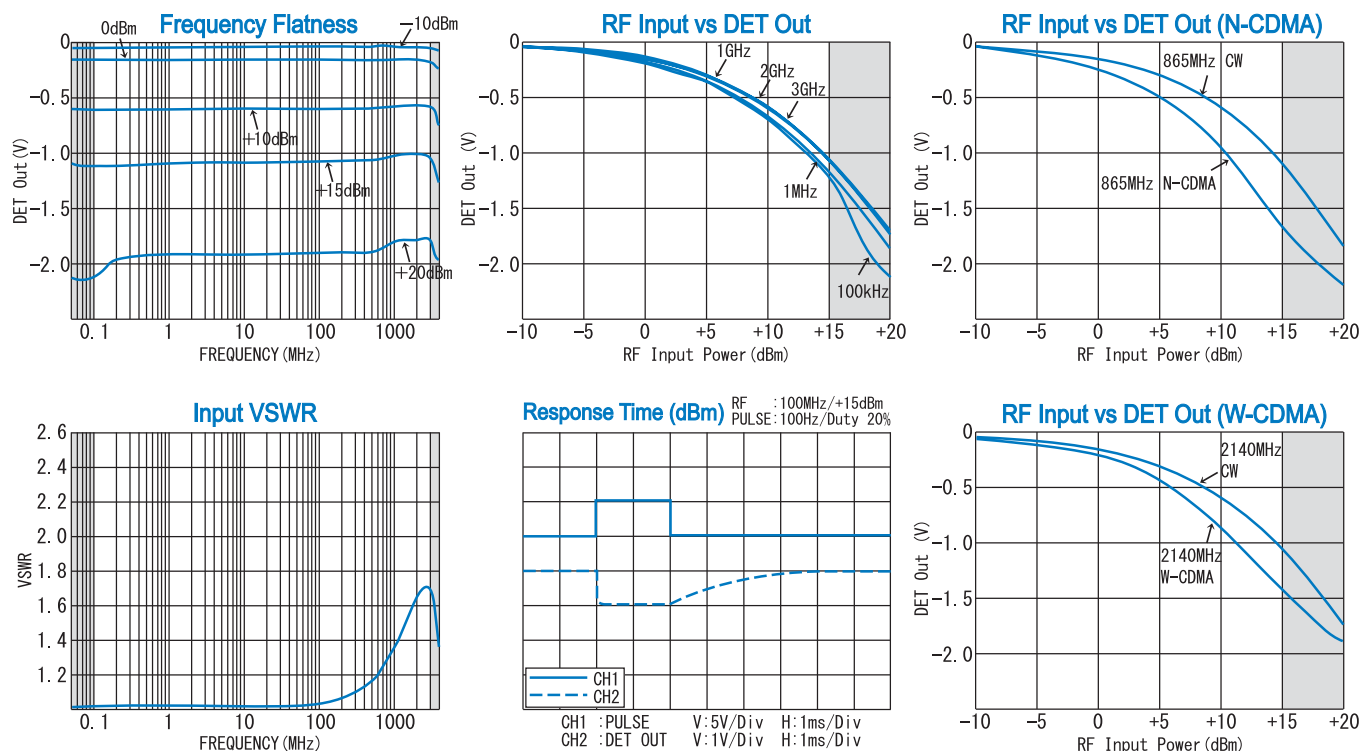
HOW TO ORDER

Model Name
R&K-DE010-0F

F = EMI FILTER

S = SMA - FEMALE

TYPICAL PERFORMANCE (Temp @ +25°C)



* Rev. 1.1 : Oct./10/2016 CHANGE Δ 1 29/Jul./2026

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

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