

# Zero Bias Schottky Detectors

- 0.01 – 18.0GHz
- High Sensitivity
- Wide Temperature Range
- No Bias
- Cost Effective



Operating frequency range 0.01—18.0GHz



Low VSWR



Flat response



High Sensitivity

## General Specification

Model Number	DETKX-P-482001-S4S5	DETCX-P-482002-S4S5
Impedance	50 ohm	
Output Impedance	3-5K ohms (shunt capacitance 20pF)	
Shock	50g. 11msec	
Operating Temperature	-40 to 80°C	
Specification Temperature	+25C	
Connectors	Input: SMA Male Output: SMA Female	
Frequency Range	10MHz - 18.0GHz	2.0GHz - 8GHz
Sensitivity (mV/mW)	500	500
TSS (dBm) min.	-50	-50
Flatness vs Frequency (+/-dB) max.	1.25	0.65
VSWR max	2.0	1.5+
Input Power Level (dBm) max.	+20	+20
Output Polarity	Positive	Positive
Overall Length (mm)	42.5	42.5

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

