


**DETECTOR OUTLINE DRAWINGS**

## SPECIFICATIONS

MODEL	FREQUENCY RANGE (GHz)	VOLTAGE SENSITIVITY mV/μW TYPICAL	TSS (-dBm) TYP	VSWR TYPICAL	FLATNESS (±dB MAX.)	VIDEO CAPACITANCE (pF)
KDT0120	0.1 - 2.0	0.8	51	2.00	0.75	470
KDT0140	0.1 - 4.0	0.8	51	2.20	0.75	470
KDT0112	0.1 - 12.4	0.8	50	2.50	1.00	470
KDT0518	0.5- 18.5	0.5	50	3.50	1.00	100
KDT1018	1.0 - 18.0	0.4	47	3.50	1.00	50
KDT2018	2.0 - 18.0	0.5	47	3.50	1.00	20
KDT6018	6.0 - 18.0	0.7	47	3.00	0.75	10
KDT8018	8.0 - 18.0	0.7	47	3.00	0.75	10

## FEATURES

No Bias  
Extremely Low Video Output Resistance (125 Ω Typical)  
Extremely Fast Pulse Response (5 ns Risetime Typical)  
High Reliability Hermetically Sealed Modules

Maximum Input Power: 50mW CW  
Operating Temperature Range: -55° to +90°C  
Storage Temperature Range: -65° to +125°C  
Specification @ 25°C and -20 dBm Input Power

Negative output polarity is standard. Add P to end of model number for positive polarity. Example: KDT2018P