

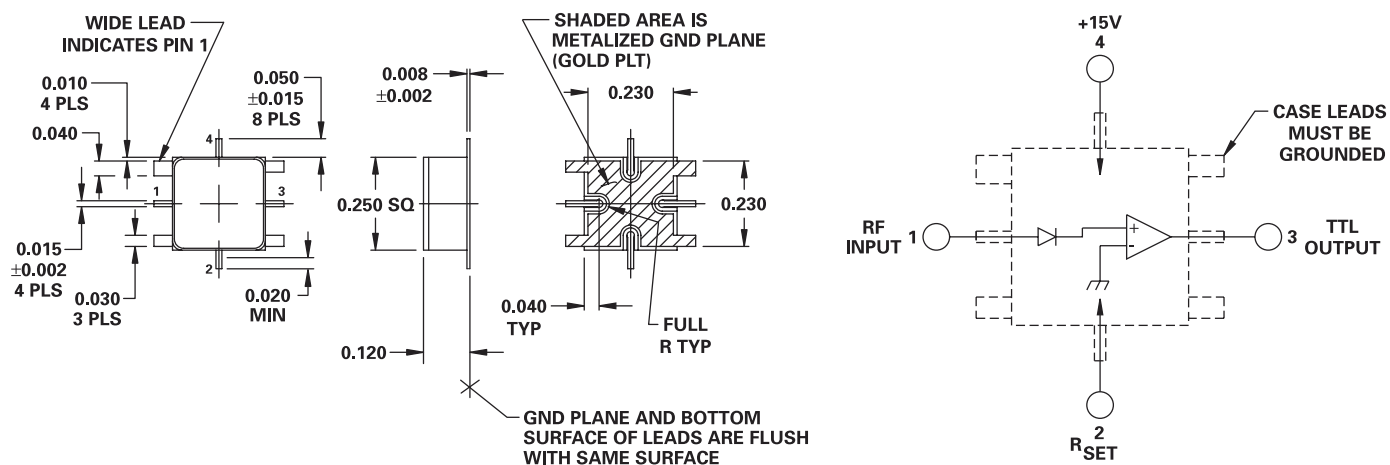
## MODEL NUMBER CTD05076

## Threshold Detector

### FEATURES

- 100-6000 MHz
- Dynamic Range -10 to +10 dBm
- Hysteresis 1.0 dB
- Input Flatness  $\pm 1.0$  dB

TD



### GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	100		6000	MHz	
Dynamic Range	-10		+10	dBm	
RF Input Power			+15	dBm	
Propagation Delay		1.5	3	$\mu$ Sec	
Hysteresis		1.0		dB	
Temperature Stability			$\pm 0.7$	dB	At +10 dBm
			$\pm 1.0$	dB	At 0 dBm
			$\pm 1.5$	dB	At -10 dBm
Input Flatness	-1.0		+1.0	dB	
Rise Time			100	nSec	90% / 10% or 10% / 90% RF
Fall Time			250	nSec	90% / 10% or 10% / 90% RF
Input VSWR			2.0/1		
Output Current	Source	3		mA	Output Short VOL = +0.7 V
	Sink	2		mA	
DC Current			15	mA	At +15 VDC
Operating Temperature	-55	+25	+85	$^{\circ}$ C	TA