

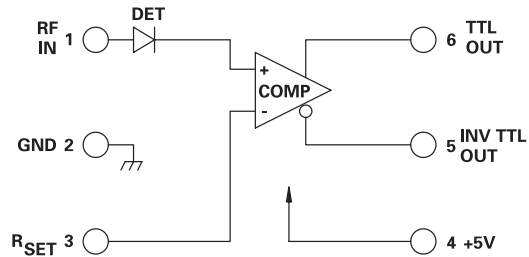
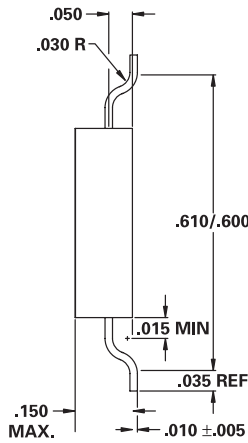
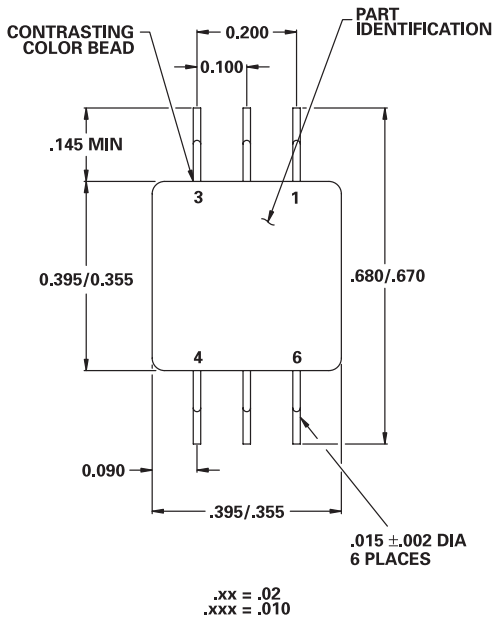
MODEL NUMBER DTD05097

Threshold Detector

FEATURES

- 200-2100 MHz
- Surface Mount Package
- 1 dB Hysteresis
- 15 dB Dynamic Range

TD



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	200		2100	MHz	
Dynamic Range	-12		+3.0	dBm	
Hysteresis		1.0	1.2	dB	
Temperature Stability	±0.50		±1.5	dB	
Input Flatness	±0.45		±1.5	dB	
Response Time	0.30		5	µSec	0 dBm
Input VSWR	1.09/1		2.0/1		
RF Input Power	<i>No Damage</i>		+13	dBm	
Output Current	<i>Source</i>	2.80		mA	V _{OH} = +2.7 V
	<i>Sink</i>	16.9		mA	V _{OL} = +0.5 V
DC Current		2.30	5	mA	At +5 VDC
Operating Temperature	-40	+25	+85	°C	TA
Storage Temperature	-55	+25	+85	°C	TA