

MODEL NUMBER DHD05071

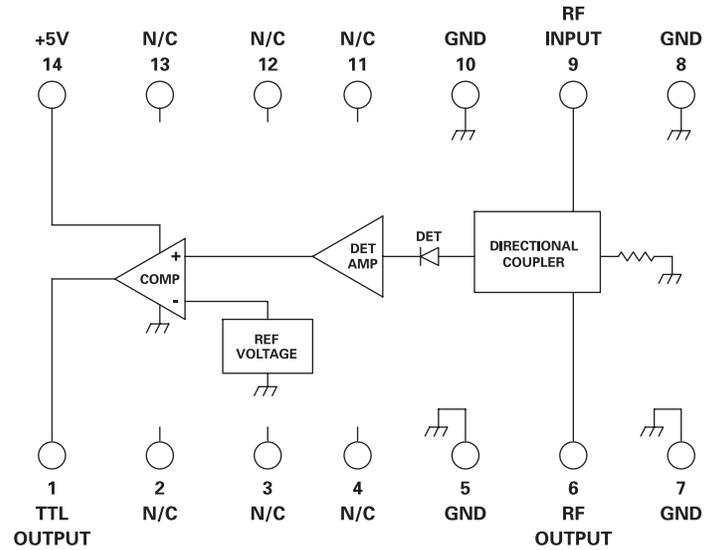
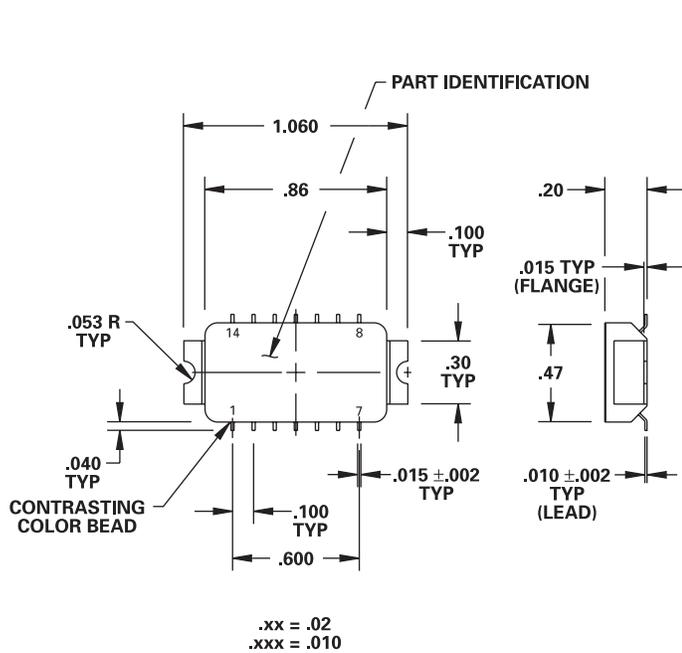
Coupler/Threshold Detector

www.DataSheet4U.com

FEATURES

- 5-50 MHz
- Integrated Coupler and Threshold Detector
- Adjustable Threshold Level
- 0.3 dB Hysteresis
- 1 mA Sink/Source Current
- 14 Pin Surface Mount Package
- See 1988 for DIP Version

TD



GUARANTEED PERFORMANCE

| Parameter | Min | Typ | Max | Units | Conditions |
|-----------------------|-----|-------|-------|-------|----------------------------|
| Operating Frequency | 5 | | 50 | MHz | |
| Threshold Level | -15 | -12.4 | -10 | mA | Power into the Coupler |
| Hysteresis | | 0.3 | 1.2 | dB | |
| Temperature Stability | | ±1.5 | | dB | |
| Insertion Loss | | 0.9 | 1.3 | dB | |
| Input Flatness | | ±1.0 | | dB | |
| Response Time | | 8 | 300 | µSec | 90% / 10% RF to TTL Output |
| Input VSWR | | 1.1/1 | 1.5/1 | | |
| Output Current | | 1 | 2 | mA | VOH = +2.7 V |
| | | 1 | 10 | mA | VOL = +0.5 V |
| RF Power | | | +27 | dBm | No Damage |
| DC Current | | 4 | 10 | mA | At +5 V |
| Operating Temperature | -55 | +25 | +125 | °C | TA |

