

# 2016



## Tenet's LED breakout



## Contents

Introduction .....	2
Applications .....	2
Specifications.....	2
Electro-Optical Characteristics (Ta=25°C) .....	3



## Introduction

Tenet's LEDbreakout is LED circuit which is easy to interface with any microcontroller and electronics circuit, was made to avoid breadboard connections. LED breakouts come in different colors like RED, GREEN, BLUE and YELLOW. Maximum current the LED breakout can handle is 20mA.



## Applications

- Outdoor Displays
- Optical Indicators
- Backlighting
- Marker Lights
- Power indicators
- Home appliances
- Disco lights

## Specifications

Parameters	Specifications
Continuous Forward Current	30 mA
Peak Forward Current(Duty /10 @ 1KHZ)	100 mA
Reverse Voltage	5 V
Operating Temperature	-40 ~ +85 °C



Storage Temperature	-40 ~ +100 °C
Power Dissipation	100 mW
Zener Reverse Current	100 mA
Electrostatic Discharge	4KV

### Electro-Optical Characteristics (Ta=25°C)

Parameters	Symbol	Condition	Min.	Typ.	Max.
Forward Voltage	Vf	If=20mA	3.0 V	-	3.6 V
Zener Reverse Voltage	Vz	Iz=5mA	5.2 V	-	-
Reverse Current	Ir	VR=5V	-	-	50 uA
Luminous Intensity	Iv	IF=20mA	14250 mcd	-	28500 mcd
Viewing Angle	2θ1/2	IF=20mA	-	15 deg	-

