



### WBFBP-02C Plastic-Encapsulate Diodes

Schottky barrier Diode

#### DESCRIPTION

Silicon epitaxial planar

#### FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

#### APPLICATION

High speed switching for detection

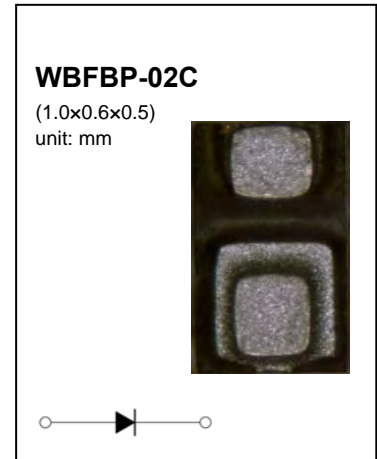
For portable equipment:(i.e. Mobile phone,MP3, MD,CD-ROM, DVD-ROM, Note book PC, etc.)

**Pb-Free package is available**

RoHS product for packing code suffix "G"

Halogen free product for packing code suffix "H"

#### MARKING: 5



#### Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	30	mA
Peak forward surge current	$I_{FSM}$	150	mA
Power dissipation	$P_D$	100	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Junction temperature	$T_j$	105	°C
Storage temperature	$T_{stg}$	-55~+150	°C

#### Electrical Ratings @Ta=25°C

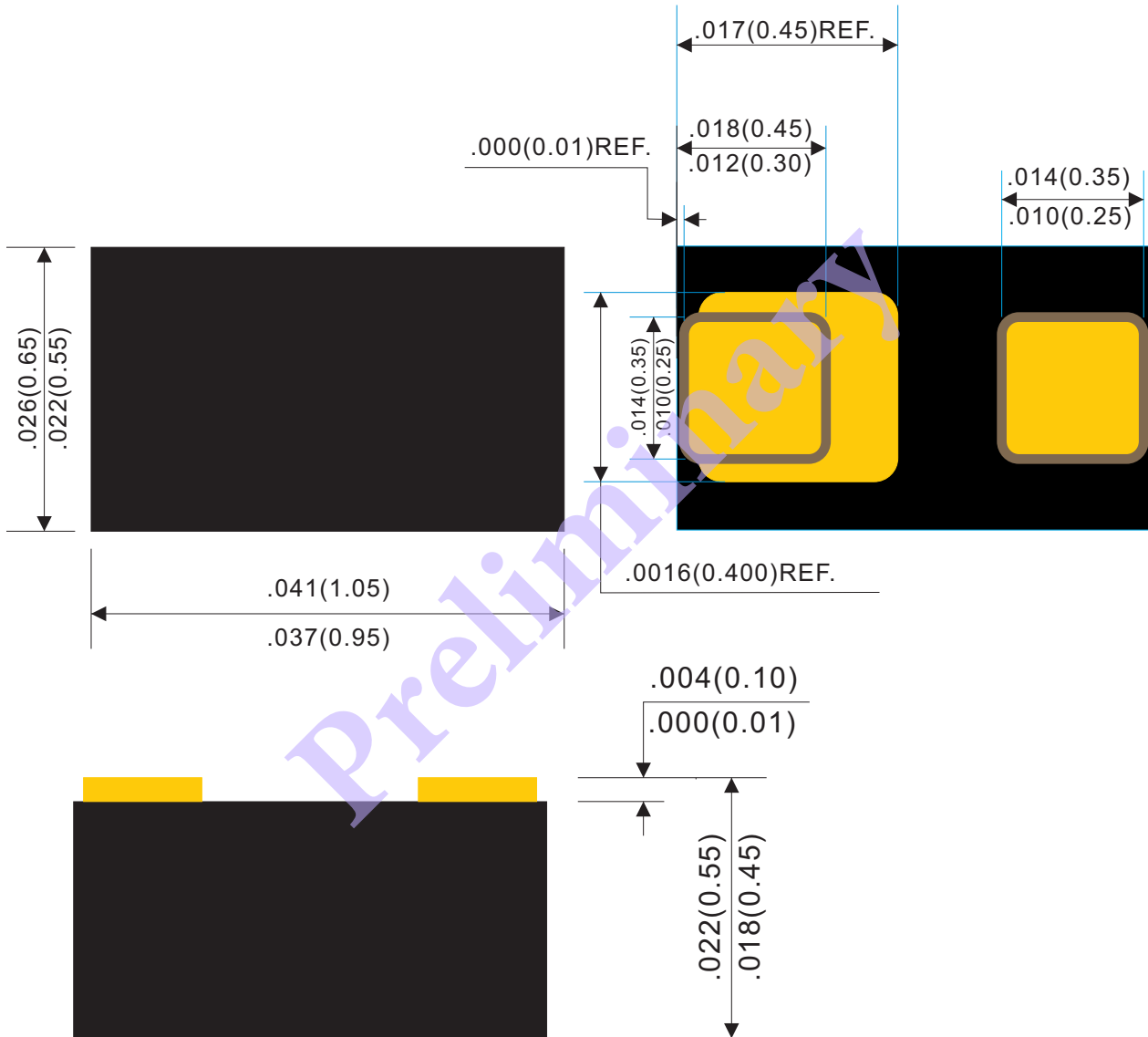
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$			0.37	V	$I_F=1mA$
Reverse current	$I_R$			0.5	μA	$V_R=30V$
Capacitance between terminals	$C_T$		2		pF	$V_R=1V, f=1MHz$



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### Outline Drawing

### WBFBP-02C



Dimensions in inches and (millimeters)

Rev.B