



Schottky barrier Diode

DESCRIPTION

Silicon epitaxial planar

FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- Moisture Sensitivity Level 1

APPLICATION

High speed switching for detection

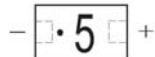
For portable equipment:(i.e. Mobile phone,MP3, MD,CD-ROM, DVD-ROM, Note book PC, etc.)

Pb-Free package is available

RoHS product for packing code suffix "G"

Halogen free product for packing code suffix "H"

MARKING: 5



WBFBP-02C

(1.0×0.6×0.5)

unit: mm



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
Operating temperature	T_j	-55~+125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Ratings @Ta=25°C

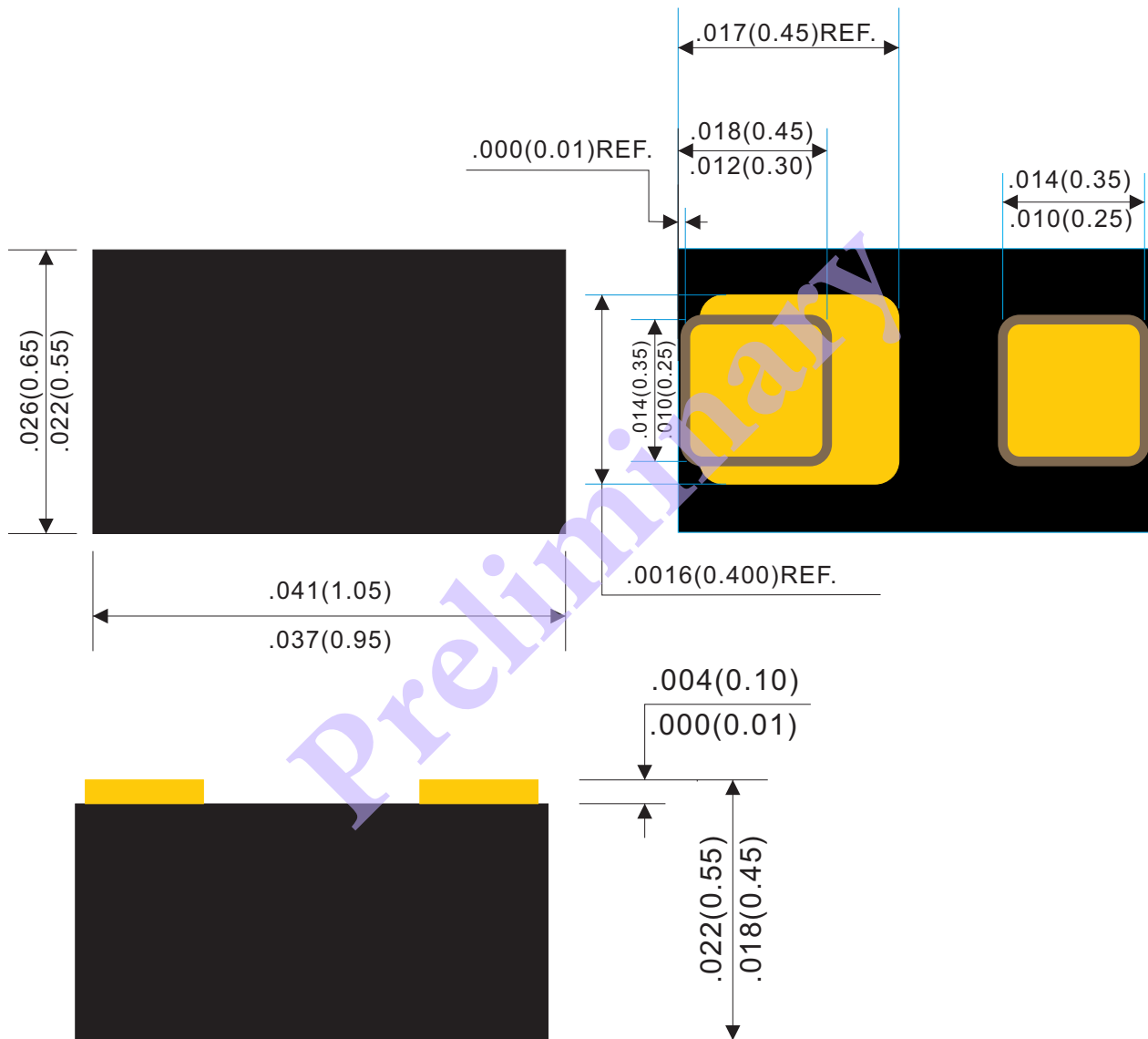
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.37	V	$I_F=1mA$
Reverse current	I_R			0.5	μA	$V_R=30V$
Capacitance between terminals	C_T		2		pF	$V_R=1V, f=1MHz$



WBFBP-02C Plastic-Encapsulate Diodes

Outline Drawing

WBFBP-02C



Dimensions in inches and (millimeters)

Rev.B



Ordering Information:

Device PN	Packing
DS751-40WB -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 10 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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