



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

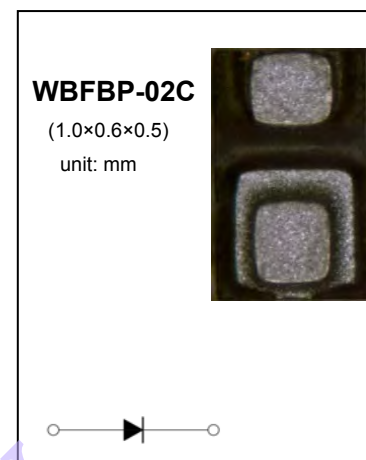
High Speed Switching for Detection
For Portable Equipment:(i.e. Mobile Phone,MP3, MD,CD-ROM,
DVD-ROM, Note Book PC, etc.)

Pb-Free package is available

RoHS product for packing code suffix "G"

Halogen free product for packing code suffix "H"

MARKING: E



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

Parameter	Symbol	Value	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	100	mA
Peak forward surge current	I_{FSM}	500	mA
Junction temperature	T_j	150	°C
Operating/Storage temperature	T_{stg}	-55~+150	°C

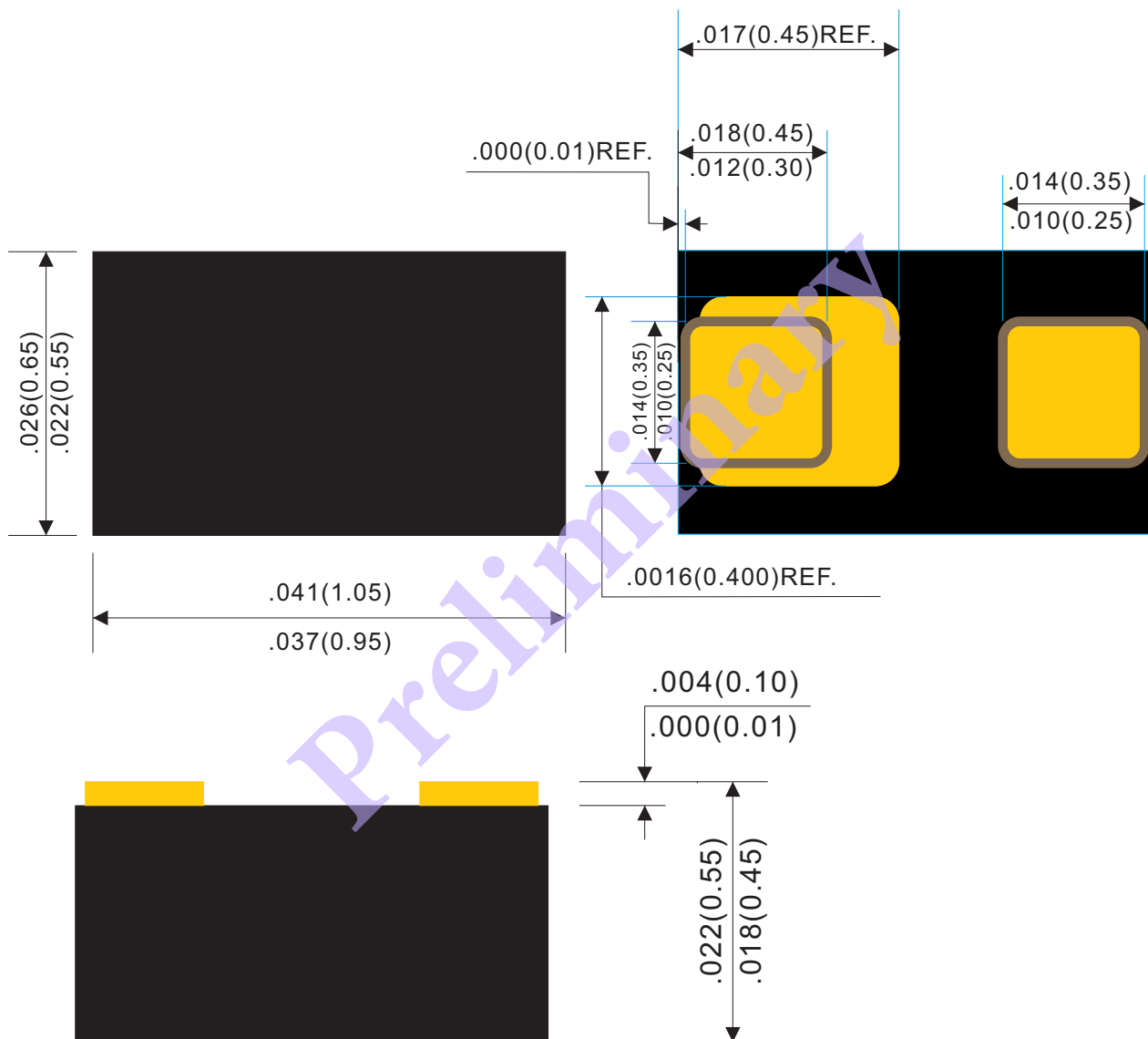
Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.45	V	$I_F=10mA$
Reverse current	I_R			0.5	μA	$V_R=10V$



Outline Drawing

WBFBP-02C



Dimensions in inches and (millimeters)

Rev.B



Ordering Information:

Device PN	Packing
DS520-30WB -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"

Disclaimer

WILLAS reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. WILLAS or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on WILLAS data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. WILLAS does not assume any liability arising out of the application or use of any product or circuit.

WILLAS products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of WILLAS. Customers using or selling WILLAS components for use in such applications do so at their own risk and shall agree to fully indemnify WILLAS Inc and its subsidiaries harmless against all claims, damages and expenditures.