



WBFBP-02C Plastic-Encapsulate Diodes

DS520-30LED02 SCHOTTKY BARRIER DIODE

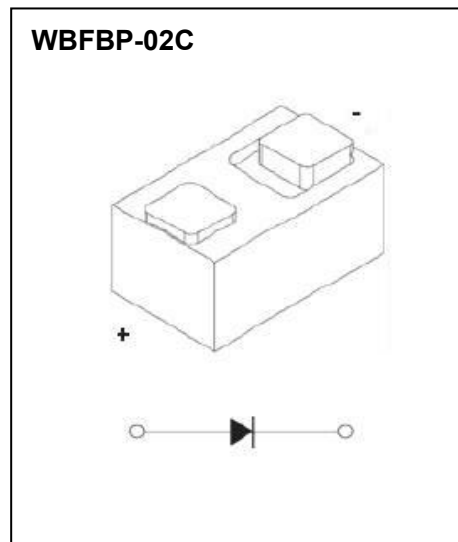
FEATURE

- 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.)

MARKING: E



MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Symbol	Parameter	Limit	Unit
V _{RRM}	Repetitive Peak Reverse Voltage	30	V
V _{RWM}	Working Peak Reverse Voltage		
V _{R(RMS)}	RMS Reverse Voltage	21	V
I _O	Average Rectified Output Current	100	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current@ t=8.3ms	0.5	A
P _d	Power Dissipation	100	mW
R _{θJA}	Thermal Resistance from Junction to Ambient	1000	°C/W
T _J	Junction temperature	125	°C
T _{stg}	Storage Temperature	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (T_a = 25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R =100μA	30			V
Reverse current	I _R	V _R =10V			0.5	μA
Forward voltage	V _F	I _F =10mA			0.45	V

Typical Characteristics

DS520-30LED02

