



WBFBP-02C Plastic-Encapsulate Diodes

DK400LED02 SWITCHING DIODE

DESCRIPTION

Silicon Epitaxial Planar

FEATURES

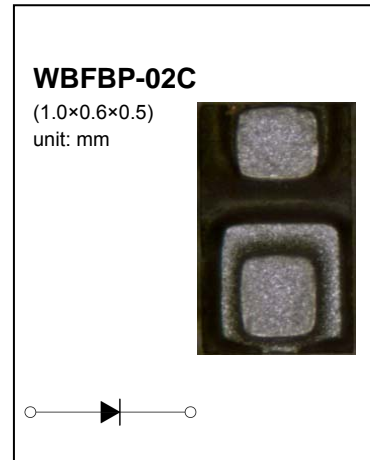
- Small Surface Mounting Type
- High Speed
- High Reliability with High Surge Current Handling Capability

APPLICATION

High Speed Switching for Detection

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

MARKING: 7



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

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	90	V
DC Reverse Voltage	V_R	80	V
Peak Forward Current	I_{FM}	225	mA
Mean Rectifying Current	I_o	100	mA
Surge Current @t=1s	I_{surge}	500	mA
Power dissipation	P_D	100	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	1250	°C/W
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55~+150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			1.2	V	$I_F=100mA$
Reverse current	I_R			0.1	μA	$V_R=80V$
Capacitance between terminals	C_T			3.0	pF	$V_R=0.5V, f=1MHz$
Reverse recovery time	t_{rr}			4	ns	$V_R=6V, I_F=10mA, R_L=100\Omega$