



## WBFBP-03D Plastic-Encapsulate Diode

**DK70LLD03**

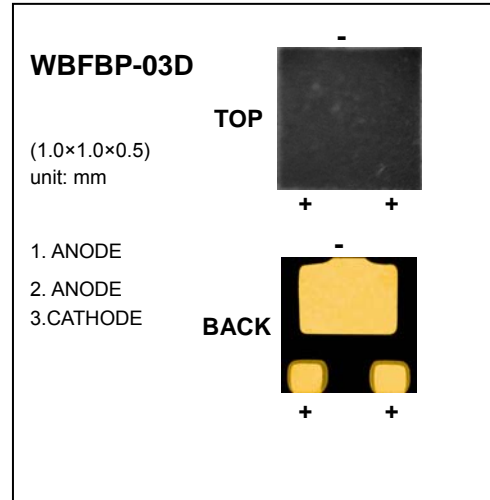
SWITCHING DIODE

### DESCRIPTION

Epitaxial planar silicon diode

### FEATURES

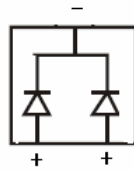
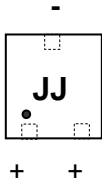
Fast Switching Speed  
 Ultra-Small Surface Mount Package  
 For General Purpose Switching Applications  
 High Conductance  
 Lead Free Product



### APPLICATION

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

**MARKING: JJ**



### Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Reverse voltage	$V_R$	85	V
Forward current	$I_o$	75	mA
Forward power dissipation	$P_D$	100	mW
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55~+150	°C

### ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu A$	85		V
Reverse voltage leakage current	$I_{R1}$	$V_R=75V$		2	$\mu A$
	$I_{R2}$	$V_R=25V$		0.03	$\mu A$
Forward voltage	$V_F$	$I_F=1mA,$ $I_F=10mA,$ $I_F=50mA$ $I_F=150mA$		715 855 1000 1250	mV
Diode capacitance	$C_D$	$V_R=0, f=1MHz$		1.5	pF
Reverse recovery time	$t_{rr}$	$I_F=I_R=10mA, I_{rr}=0.1 \times I_R, R_L=100\Omega$		4	ns