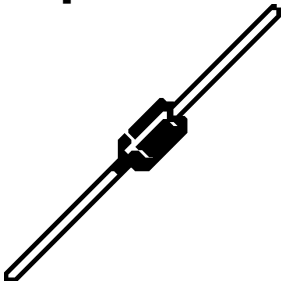
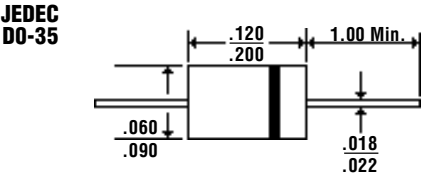


500 mW EPITAXIAL
PLANAR DIODES

Description



Mechanical Dimensions



FBV19...21 Series

Features

- PLANAR PROCESS
 - 500 mW POWER DISSIPATION
- INDUSTRY STANDARD DO-35 PACKAGE
 - MEETS UL SPECIFICATION 94V-0

FBV19...21 Series				Units
Maximum Ratings	FBV19	FBV20	FBV21	
Peak Reverse Voltage... V_{RM}	120	200	250	Volts
RMS Reverse Voltage... $V_{R(rms)}$	100	150	200	Volts
Average Forward Rectified Current... I_O		250	.....	mAmps
Non-Repetitive Peak Forward Surge Current... I_{FSM}		500	.....	mAmps
Power Dissipation... P_D		500	.....	mW
Operating Temperature Range... T_J		-25 to 85	.....	°C
Storage Temperature Range... T_{STRG}		-65 to 200	.....	°C
Electrical Characteristics				
Maximum Forward Voltage... V_F @ $I_F = 100$ mA		1.0	.....	Volts
Maximum DC Reverse Current... I_R @ Rated V_R		0.1	.....	μAmps
Dynamic Forward Resistance... R_F		5.0	.....	Ω
Maximum Diode Capacitance... C_D		5.0	.....	pF
Typical Thermal Resistance... $R_{θJA}$		.35	.....	K / mW
Maximum Reverse Recovery Time... t_{RR}		50	.....	ns

