

# EF51D

## ULTRAFAST RECOVERY GLASS PASSIVATED RECTIFIER CHIPS

VOLTAGE: 230V

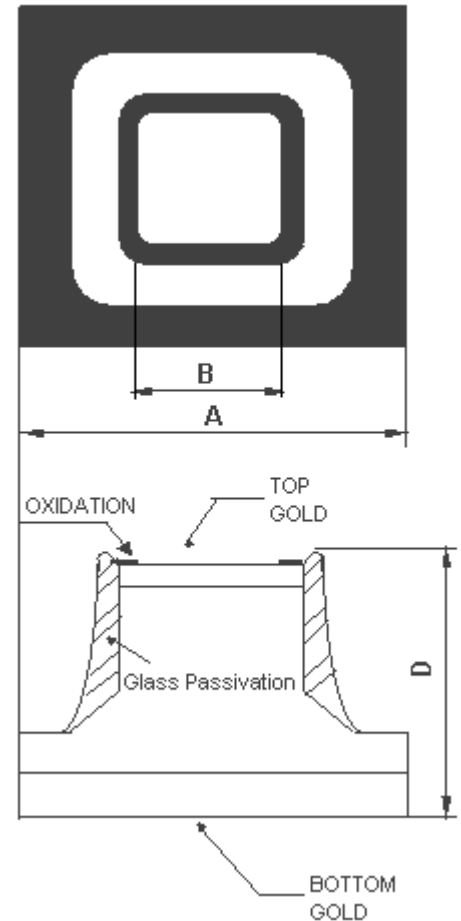
GPP DICE: 51MIL



### FEATURE

Ultrafast Recovery Times  
150°C Operating Junction Temperature  
Low Forward Voltage  
Low Leakage Current  
Glass Passivated Junction  
High surge capability

### GPP 51MIL



A(mm)	B(mm)	D(mm)
1.27±0.03	0.66±0.03	0.31±0.02

	SYMBOL	EF51D	units
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	230	V
Maximum RMS Voltage	V <sub>rms</sub>	161	V
Maximum DC blocking Voltage	V <sub>dc</sub>	230	V
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	30	A
Maximum Forward Voltage at rated Forward Current and 25°C	V <sub>f</sub>	0.92	at=1.0A V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	I <sub>r</sub>	5 50	μA μA
Maximum Reverse Recovery Time (Note 1)	T <sub>rr</sub>	34	nS
Storage and Operating Temperature Range	T <sub>stg</sub> , T <sub>j</sub>	-55 to +150	°C

Note:  
Reverse Recovery Condition I<sub>f</sub> =0.5A, I<sub>r</sub> =1.0A, I<sub>rr</sub> =0.25A