

**REFERENCE**

23-Aug-06  
ROHM CO.,LTD  
Di.Manufacturing Div.

**SPICE PARAMETER**  
**RB051L-40**

Characteristic of inner diode

No.	NAME	PARAMETER	UNIT	DATA	
1	IS	Saturation Current	A	1.355E-05	
2	N	Emission Coefficient	-	1.002	
3	RS	Series Resistance	Ω	0.0058	
4	IKF	High-injection Knee Current	A	0.527	
5	XTI	Temperature Exponent at IS	-	2	
6	EG	Autivation Energy	eV	0.69	default
7	CJO	Junction Capacitance	F	7.034E-10	
8	M	Granding Coefficient	-	0.456	
9	VJ	Junction Potential	V	0.314	
10	FC	Depletion Capacitance Coefficient	-	0.5	default
11	BV	Breakdown Voltage	V	40	
12	IBV	Breakdown Current	A	0.001	
13	TT	Transit Time	SEC	2.861E-08	