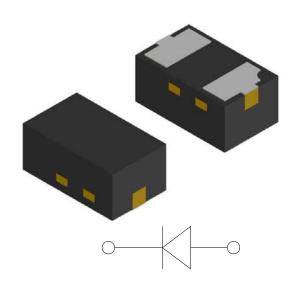




Small Signal Schottky Diode



Features

- Low Forward Voltage
- Epoxy Meets UL 94 V-0 Flammability Rating
- High Conductance
- Lead Free Finish/RoHS Compliant
- Small package saves board space
- Moisture Sensitivity Level 3
- V_R 40VI_{FAV} 30mA

Mechanical Data

- Package: DFN1006-2L
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Cathode line denotes the cathode end
- Marking: 51

■ Maximum Ratings (T_a =25 $^{\circ}$ C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Reverse voltage	V _R	V		40
Peak forward surge current	I _{FSM}	Α	tp=8.3ms,half sine	0.2
Average forward current	I _{FAV}	mA		30
Power dissipation	P _{tot}	mW		100
Maximum junction temperature	T _j	°C		125
Storage temperature range	T_{stg}	°C		-55 ~+125

■Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	V_{R}	V	IR=100uA	40	
Forward Voltage	V_{F}	V	IF=1mA		0.37
Reverse Leakage Current	I _R	uA	VR=30V		0.5
Maximum Junction capacitance	CJ	pF	V _R =0V, f =1MH _Z		5

■Ordering Information (Example)

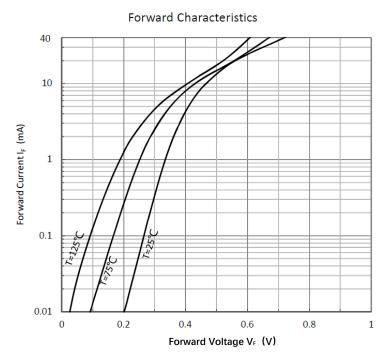
PREFERED P/N	UNIT WEIGHT(mg)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
RB751S-40L2	Approximate 0.9	10K	100K	400K	Tape & Reel

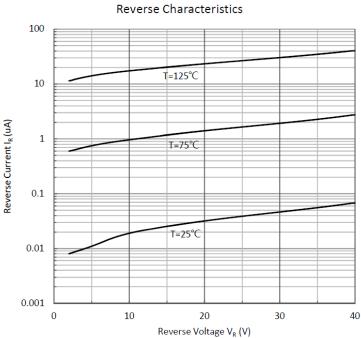




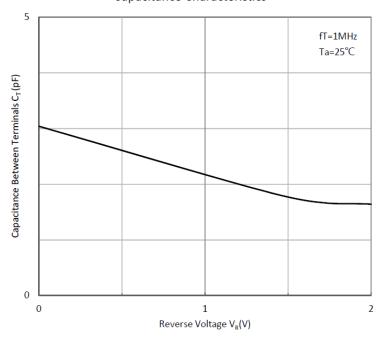


■ Characteristics (Typical)





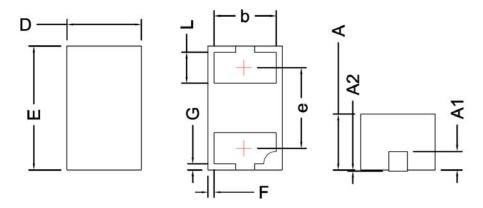
Capacitance Characteristics





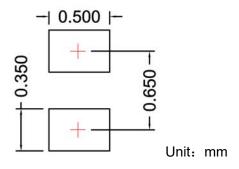


■Outline Dimensions



SYMBOL	MILLIMETER				
	MIN	NOM	MAX		
D	0.50	0.60	0.70		
E	0.90	1.00	1.10		
Α	0.35	0.45	0.55		
A1	0.15 BSC				
A2			0.10		
F	0.005				
G	0.005				
L	0.15	0.25	0.35		
b	0.41	0.50	0.59		
е	0.65 BSC				

■ Soldering Footprint





RB751S-40L2



Disclaimer

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