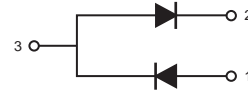
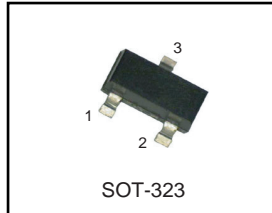


Schottky Barrier Diode

Lead free product

RB706F-40G



MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Maximum Recurrent Peak Reverse Voltage	VRRM	45	Volts
Maximum RMS Voltage	VRMS	32	Volts
Maximum DC Blocking Voltage	VDC	40	Volts
Maximum Average Forward Rectified Current	I _o	0.03	Amps
Peak Forward Surge Current at 8.3 mSec single half sine-wave	I _{FSM}	0.2	Amps
Typical junction capacitance between Terminal (NOTE 1)	C _J	2.0	pF
Maximum Operating Temperature Range	T _J	+125	
Storage Temperature Range	T _{STG}	-40 to +125	

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

Characteristics	Symbol	RB706F-40G	Unit
Maximum Instantaneous Forward Voltage at I _F =1mA	V _F	0.37	Volts
Maximum Average Reverse Current at V _R =10V	I _R	1.0	uAmps

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 1.0 volts.
2.ESD sensitive product handling required.

FIG. 1 - FORWARD CHARACTERISTICS

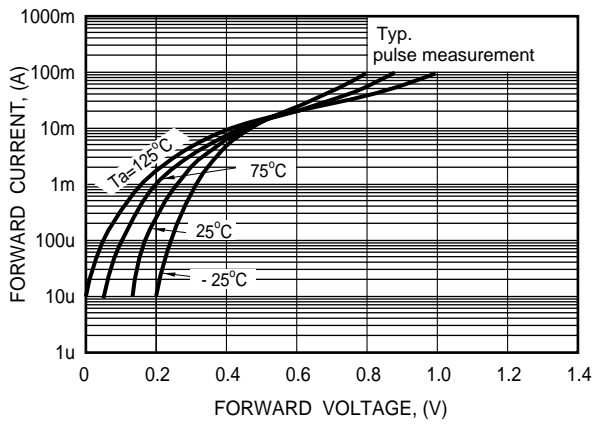


FIG. 2 - REVERSE CHARACTERISTICS

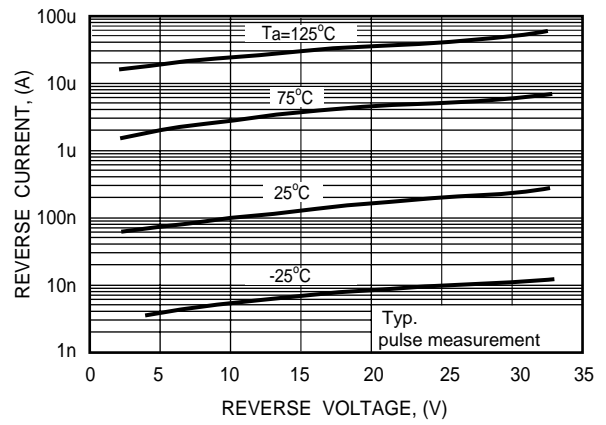


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

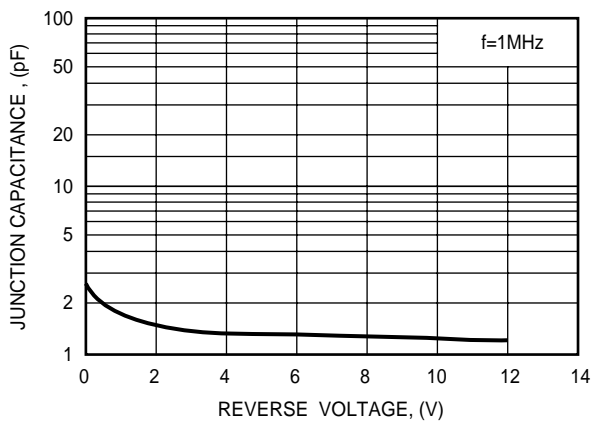


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE

