Surface Mount PIN Diodes

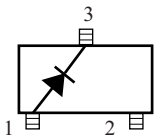
HSMP-3800

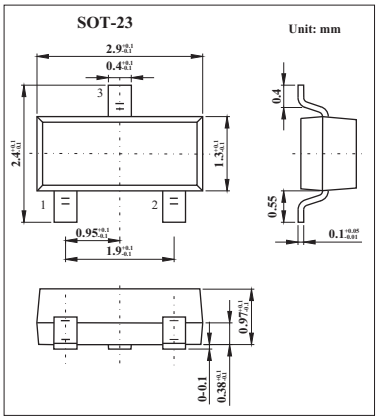
Features

Low Current Switching

Low Distortion Attenuating

Ultra-Low Distortion Switching





Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Continuous reverse voltage	V_R	100	V
Forward current (1 ms Pulse)	I_F	1	A
Power Dissipation @ T_A = 25℃	P_{tot}	250	mW
Junction Temperature	T_J	150	℃
Storage Temperature Range	T_{stg}	-65 to +150	℃

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Test conditons	Min	Typ	Max	Unit
Reverse voltage	V_R	I_R = 10 μ A	100			V
Series Resistance	R_S	I_F =100mA,f=100MHz			2.0	Ω
Total Capacitance	C_T	V_R =50V,f=1MHz			0.4	pF

Marking

Marking	D0

HSMP-3800

Typical Characteristics

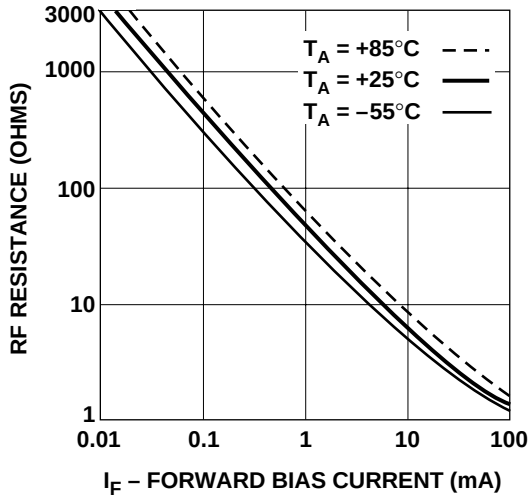


Figure 1. RF Resistance vs Forward Bias Current

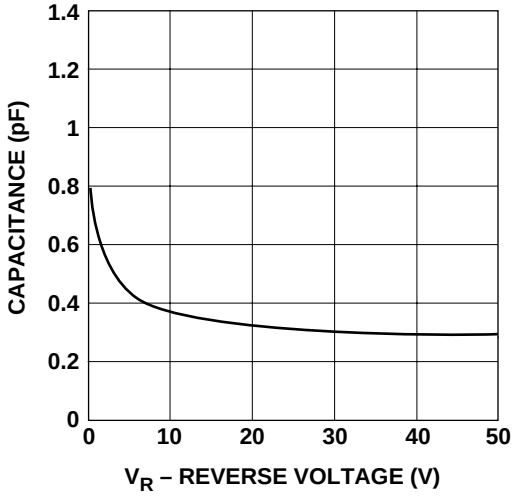


Figure 2. Capacitance vs Reverse Voltage.

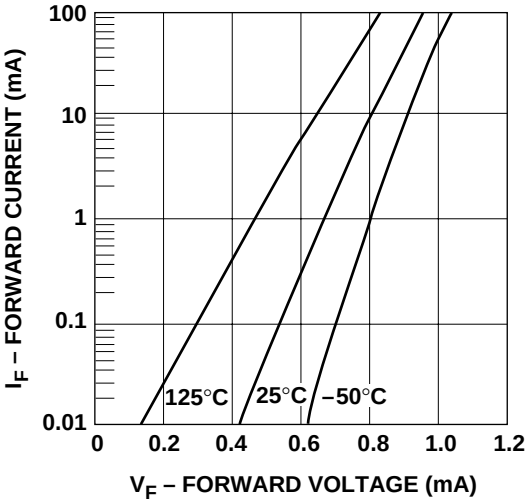


Figure 3. Forward Current vs Forward Voltage.