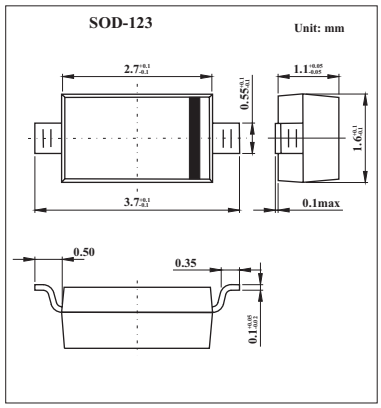
Variable Capacitance Diode for VCO

HVD372B



Features

- High capacitance ratio. (n = 2.00 min).
- Good linearity of C-V curve.
- Super small Flat Lead Package (SFP) is suitable for surface mount design.

Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	15	V
Junction temperature	T_j	125	℃
Storage temperature	T_{stg}	-55 to +125	℃

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current	I_{R1}	V_R = 15 V			10	nA
	I_{R2}	V_R = 15 V,Ta = 60℃			100	
Capacitance	C_1	V_R = 1 V, f = 1 MHz	15		17	pF
	C_4	V_R = 4 V, f = 1 MHz	7		8.5	
Capacitance ratio	n	C_1 / C_4	2			
Series resistance	r_s	V_R = 4 V, f = 470 MHz			0.4	Ω

Marking

Marking	F