

Variable Capacitance Diode for VCO



ADE-208-497(Z) Rev 0 February 1997

Features

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

Ordering Information





Absolute Maximum Ratings (Ta = 25° C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	15	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics (Ta = 25° C)

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	_	_	10	nA	V _R = 15V
	I _{R2}	_	_	100		V_{R} = 15V, Ta = 60 °C
Capacitance	C ₁	15.0	—	17.0	pF	$V_{R} = 1V, f = 1 MHz$
	C ₄	7.00	—	8.50		$V_{R} = 4V, f = 1 MHz$
Capacitance ratio	n	2.00	—			C ₁ / C ₄
Series resistance	r _s	—	—	0.4	Ω	V _R = 1V, f = 470 MHz



Main Characteristic

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Package Dimensions

Unit : mm



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