

RKV605KP

Variable Capacitance Diode for VCO

REJ03G1366-0200 Rev.2.00 Feb 05, 2007

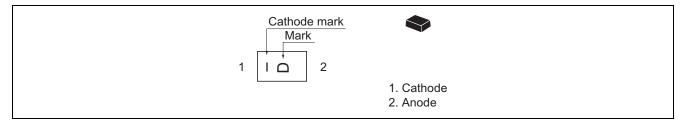
Features

- High capacitance ratio. (n = 2.02 to 2.26)
- Low series resistance. (rs = 0.40Ω max)
- Halogen free, Environmental friendly Package include Conformity to RoHS Directive.
- Ultra small Package (0.6mm×0.3mm Size leadless type)

Ordering Information

Part No.	Laser Mark	Package Name	Package Code	
RKV605KP	D	MP6	PXSN0002ZB-A	

Pin Arrangement





Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Junction temperature	Тј	125	°C
Storage temperature	Tstg	–55 to +125	۵°

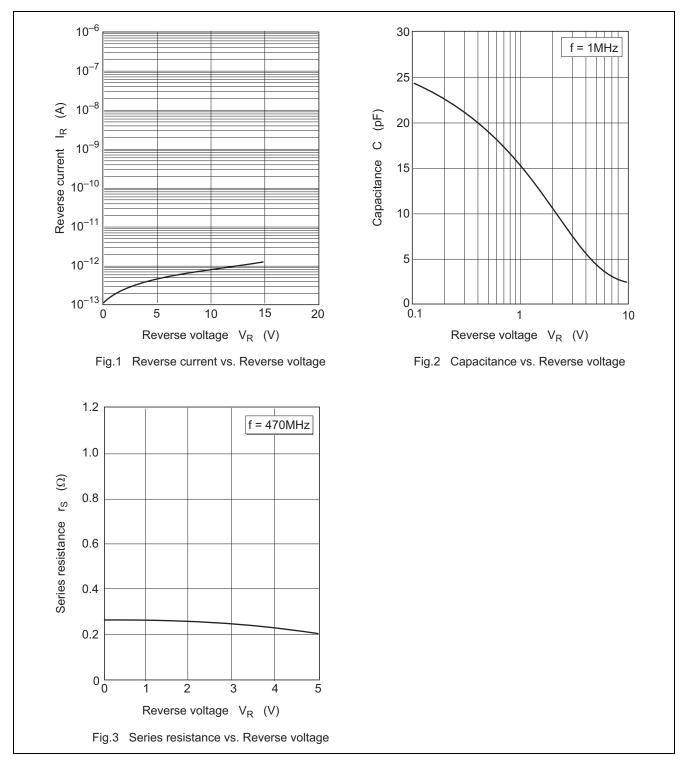
Electrical Characteristics

						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	—	_	10	nA	V _R = 10 V
	I _{R2}	_	_	50		V _R = 10 V, Ta = 60°C
Capacitance	C _{0.5}	18.5	_	20.0	pF	$V_{R} = 0.5 V, f = 1 MHz$
	C _{2.5}	8.55	_	9.45		V _R = 2.5 V, f = 1 MHz
Capacitance ratio	n	2.02	_	2.26	_	C _{0.5} /C _{2.5}
Series resistance	r _S		_	0.40	Ω	V _R = 1 V, f = 470 MHz

Note: Please do not use the soldering iron due to avoid high stress to the MP6 package.

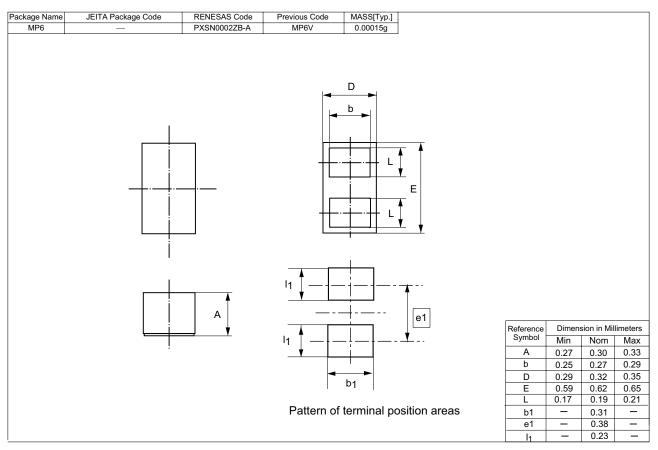


Main Characteristic





Package Dimensions





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RENESAS SALES OFFICES

Refer to "http://www.renesas.com/en/network" for the latest and detailed information.

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