

RKV600KP

Variable Capacitance Diode for VCO

REJ03G1306-0200 Rev.2.00 Feb 05, 2007

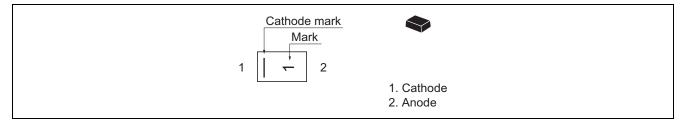
Features

- High capacitance ratio. (n = 2.35 min)
- Low series resistance. (rs = $0.60 \Omega \max$)
- 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	
RKV600KP	1	MP6	PXSN0002ZB-A	

Pin Arrangement





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	15	V
Junction temperature	Тј	125	°C
Storage temperature	Tstg	–55 to +125	۵°

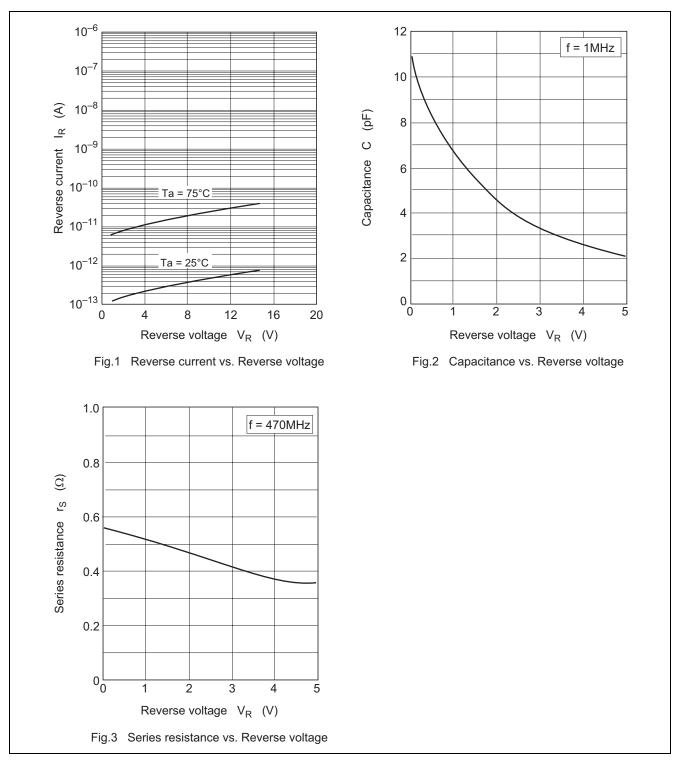
Electrical Characteristics

						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	_	—	10	nA	V _R = 15 V
	I _{R2}	_	_	100		V _R = 15 V, Ta = 60°C
Capacitance	C ₁	6.62	_	7.02	pF	$V_{R} = 1 V, f = 1 MHz$
	C ₄	2.60	_	2.95		$V_{R} = 4 V, f = 1 MHz$
Capacitance ratio	n	2.35	_	2.55	—	C ₁ / C ₄
Series resistance	r _S	_	_	0.60	Ω	V _R = 1 V, f = 470 MHz

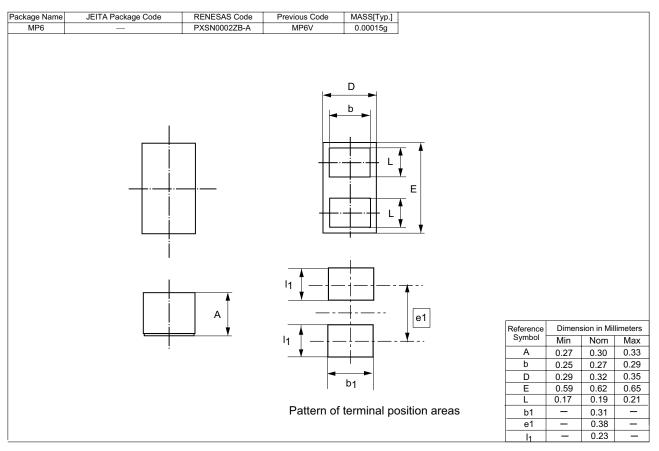
Note: 1. Please do not use the soldering iron due to avoid high stress to the MP6 package.



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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