

# RKV602KP

Variable Capacitance Diode for VCO

REJ03G1308-0200 Rev.2.00 Feb 05, 2007

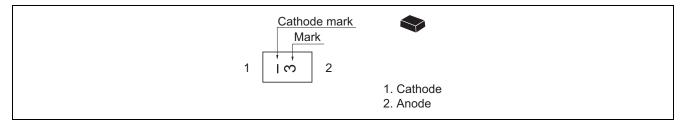
# Features

- High capacitance ratio. (n = 1.60 min)
- Low series resistance. (rs =  $0.70 \Omega \text{ max}$ )
- 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	
RKV602KP	3	MP6	PXSN0002ZB-A	

# **Pin Arrangement**





# **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit
Reverse voltage	V <sub>R</sub>	15	V
Junction temperature	Тј	125	°C
Storage temperature	Tstg	–55 to +125	۵°

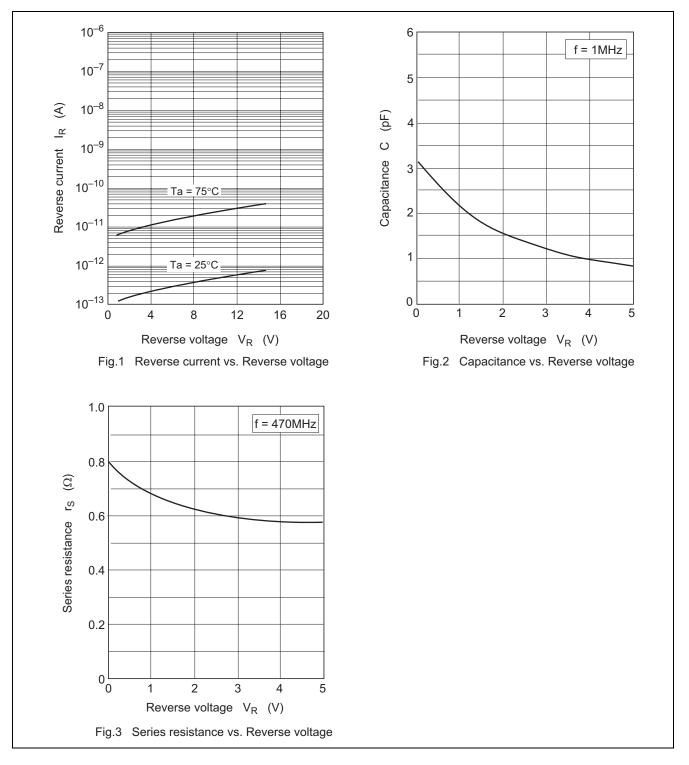
# **Electrical Characteristics**

						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I <sub>R1</sub>	—	—	10	nA	V <sub>R</sub> = 15 V
	I <sub>R2</sub>	—	—	50		V <sub>R</sub> = 15 V, Ta = 60°C
Capacitance	C <sub>1</sub>	2.05	—	2.24	pF	$V_{R} = 1 V, f = 1 MHz$
	C <sub>3</sub>	1.18	—	1.29		V <sub>R</sub> = 3 V, f = 1 MHz
Capacitance ratio	n	1.60	—	1.85	—	C <sub>1</sub> / C <sub>3</sub>
Series resistance	r <sub>s</sub>		—	0.70	Ω	V <sub>R</sub> = 1 V, f = 470 MHz

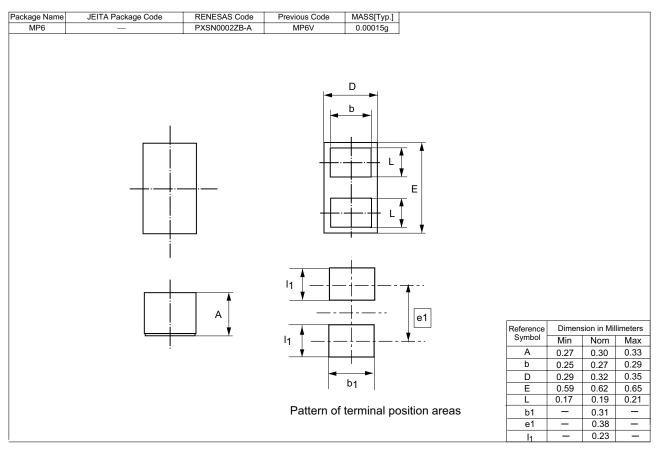
Note: Please do not use the soldering iron due to avoid high stress to the MP6 package.



# **Main Characteristic**



# **Package Dimensions**





## RenesasTechnology Corp. Sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan



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Renesas Technology America, Inc. 450 Holger Way, San Jose, CA 95134-1368, U.S.A Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

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Renesas Technology Hong Kong Ltd. 7th Floor, North Tower, World Finance Centre, Harbour City, 1 Canton Road, Tsimshatsui, Kowloon, Hong Kong Tel: <852> 2265-6688, Fax: <852> 2730-6071

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Renesas Technology Singapore Pte. Ltd. 1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632 Tel: <65> 6213-0200, Fax: <65> 6278-8001

Renesas Technology Korea Co., Ltd. Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea Tel: <82> (2) 796-3115, Fax: <82> (2) 796-2145

Renesas Technology Malaysia Sdn. Bhd Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

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