

RKV651KK

Variable Capacitance Diode for FM tuner IC

REJ03G1289-0100 Rev.1.00 Oct 14, 2005

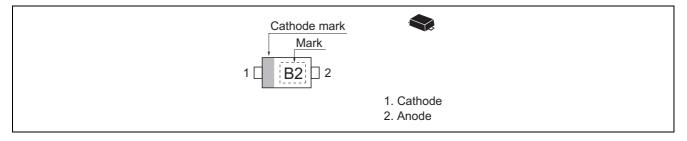
Features

- High capacitance ratio. (n = 2.90 min)
- Super small Flat Lead Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
RKV651KK	B2	SFP	PUSF0002ZB-A (SFP)

Pin Arrangement





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	۵°

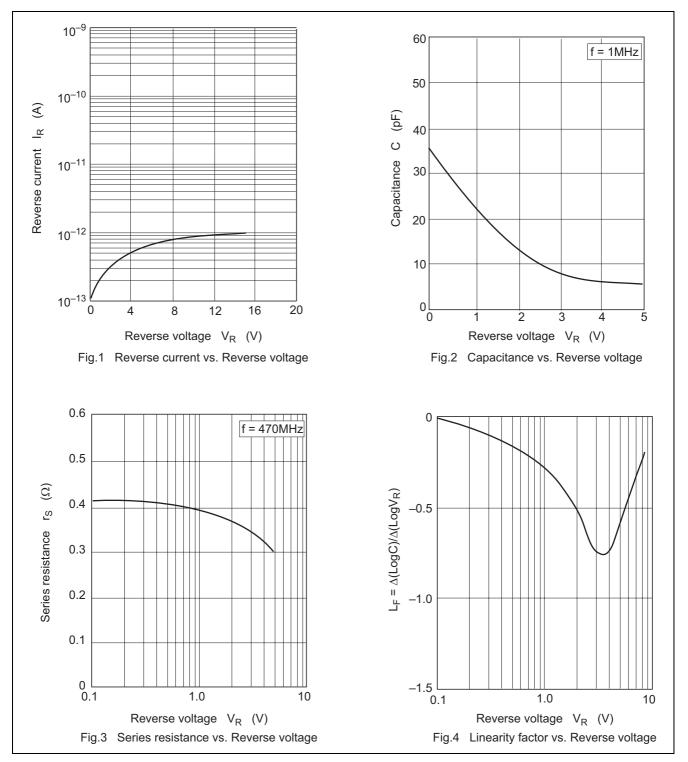
Electrical Characteristics

						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	—	—	10	nA	V _R = 10 V
	I _{R2}	_	—	100		V _R = 10 V, Ta = 60°C
Capacitance	C _{0.2}	29.5	—	33.0	pF	$V_{R} = 0.2 V, f = 1 MHz$
	C _{2.3}	7.80	—	10.7		V _R = 2.3 V, f = 1 MHz
Capacitance ratio	n	2.90	—	4.10	—	C _{0.2} / C _{2.3}
Series resistance	r _s	_	_	0.6	Ω	V _R = 1 V, f = 470 MHz

Note: For SFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.

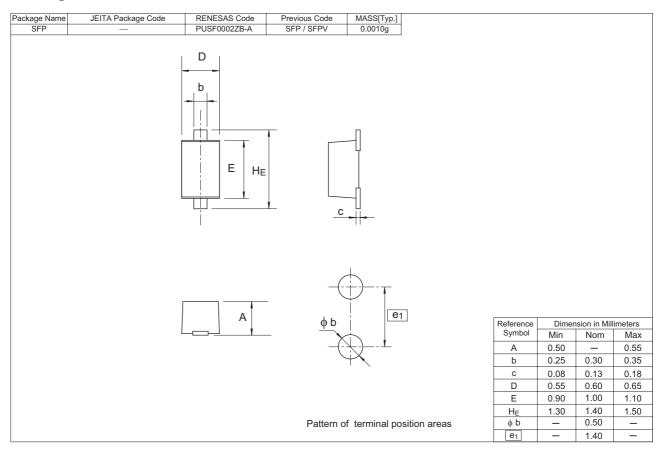


Main Characteristic





Package Dimensions





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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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