

RKV650KP

Variable Capacitance Diode for Digital audio

REJ03G1288-0200 Rev.2.00 Feb 20, 2007

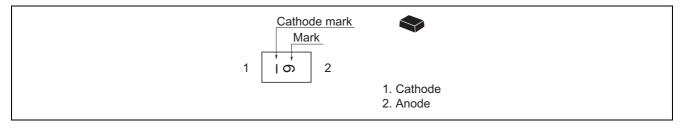
Features

- Most suitable for terrestrial digital TV broadcasts capable Mobile phones.
- High capacitance ratio. (n = 3.25 min)
- Low series resistance. (rs = 0.75Ω 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	
RKV650KP	9	MP6	PXSN0002ZB-A	

Pin Arrangement





Absolute Maximum Ratings

(Ta = 25°C)

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

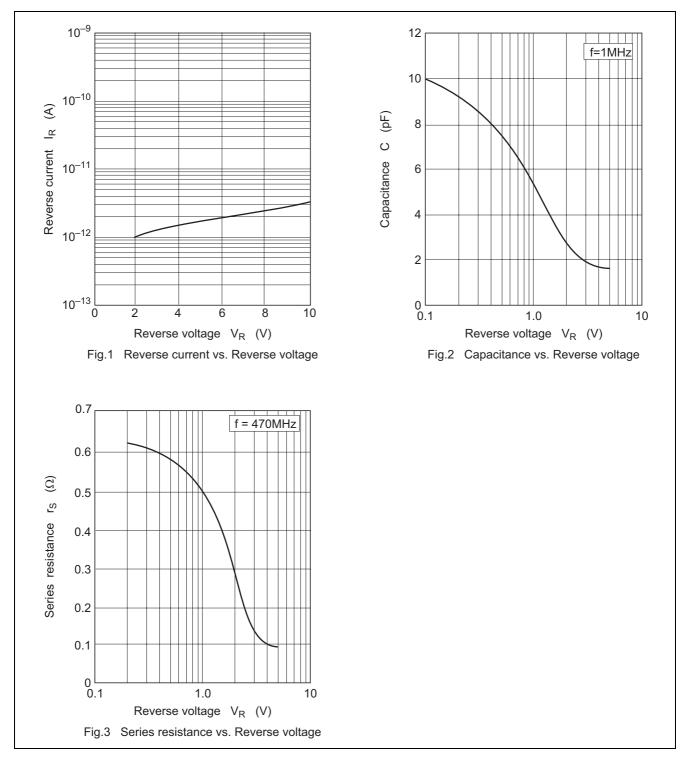
Electrical Characteristics

						$(Ta = 25^{\circ}C)$
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 _{0.5}	7.20	—	7.80	pF	$V_{R} = 0.5 V, f = 1 MHz$
	C _{2.5}	2.05	—	2.35		V _R = 2.5 V, f = 1 MHz
Capacitance ratio	n	3.25	—	3.70		C _{0.5} / C _{2.5}
Series resistance	r _S	_	_	0.75	Ω	V _R = 1 V, f = 470 MHz

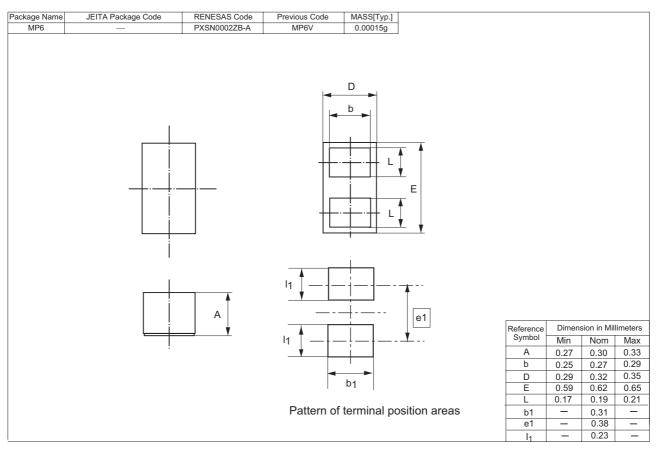
Note: Please do not use the soldering iron due to avoid high stress to the MP6 package.



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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