

RKD750KN

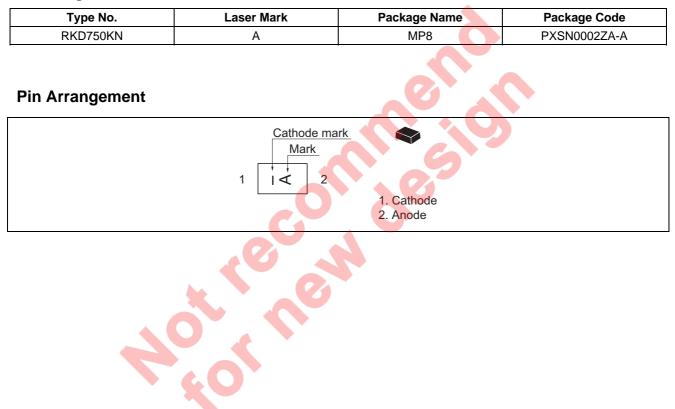
Silicon Schottky Barrier Diode for Detector

REJ03G1359-0100 Rev.1.00 May 15, 2006

Features

- Low forward voltage, Low capacitance and High detection sensitivity.
- Ultra small leadless Package (0805type; the use of an undersurface electrode structure) for use in compact and products.

Ordering Information





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	2	V
Average rectified current	I _O	5	mA
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-55 to +125	℃

Electrical Characteristics

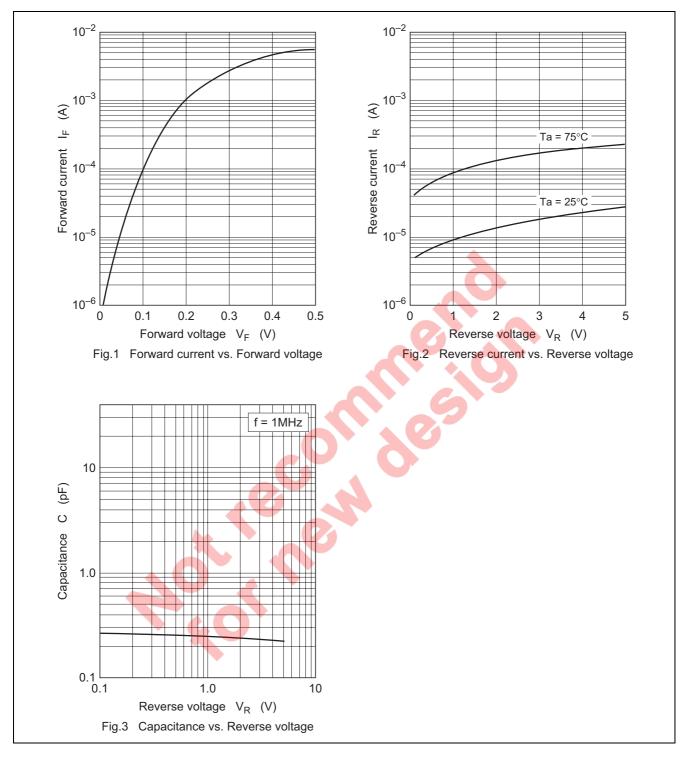
						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	_	_	0.15	V	I _F = 0.1 mA
	V _{F2}	—	—	0.27		$I_F = 1 \text{ mA}$
Capacitance	С	—	0.3	—	pF	V _R = 0.5 V, f = 1 MHz
ESD-Capability *1	—	10	_	_	V	$C = 200 \text{ pF}, R_L = 0 \Omega$, Both forward
						and reverse direction 1 pulse.

Notes: 1. Failure criterion ; $I_R \geq 100 \ \mu A$ at V_R =0.5 V

2. Please do not use the soldering iron due to avoid high stress to the MP8 package.



Main Characteristic



Package Dimensions

Desta a tr			Device C. I	MA0017 1				
Package Name MP8	JEITA Package Code	RENESAS Code PXSN0002ZA-A	Previous Code MP8V	MASS[Typ.] 0.00029g				
IVIFO	—	PASINUUUZZA-A	IVIPOV	0.000299				
			D					
			b					
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					Reference Symbol		sion in Mill	
						Min	Nom	Max
					A	0.27	0.30	0.33
					b	0.38	0.40	0.42
					D	0.47	0.50	0.53
					E	0.77	0.80	0.83
L					L	0.23	0.25	0.27
			*					
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