RENESAS

RKP301WKQE

Silicon Epitaxial Planar Pin Diode for Antenna Switching

REJ03G1689-0100 Rev.1.00 May 30, 2008

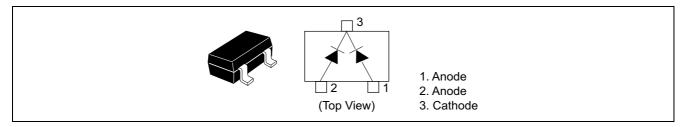
Features

- Low capacitance. (C = 0.30 pF max)
- Low forward resistance. (rf = $2.5 \Omega \text{ max}$)
- CMPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Part No.	Laser Mark	Package Name	Package Code	
RKP301WKQE	P7	CMPAK	PTSP0003ZB-A	

Pin Arrangement



Absolute Maximum Ratings

			(Ta = 25°C)	
Item	Symbol	Ratings	Unit	
Reverse voltage	V _R	30	V	
Forward current	I _F	100	mA	
Power dissipation	Pd *	200	mW	
Junction temperature	Тј	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

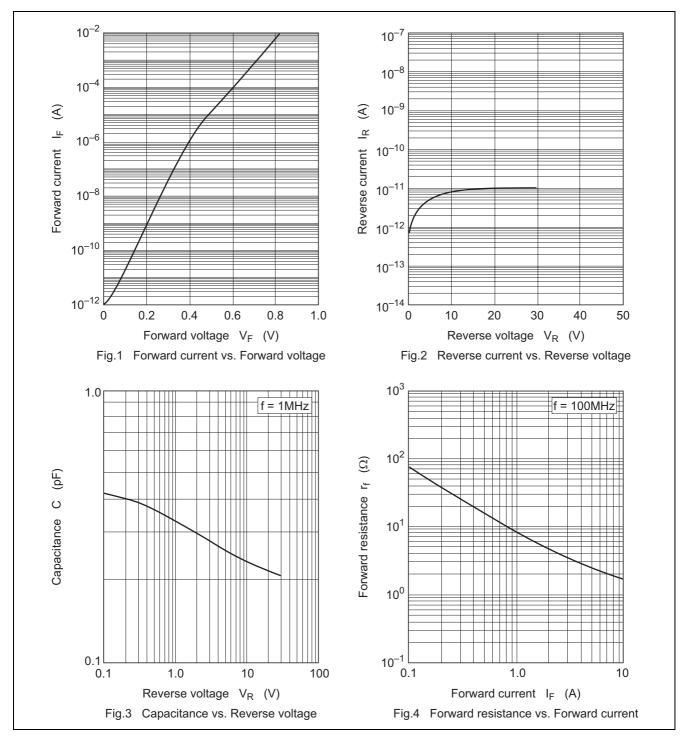
Note: Per one device 100 mW.

Electrical Characteristics

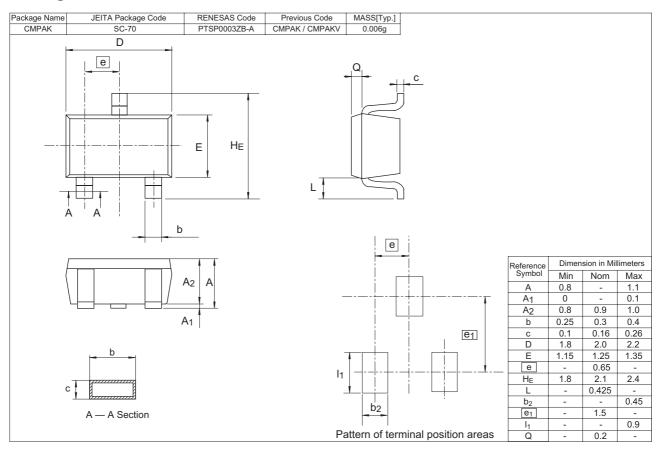
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Мах	Unit	Test Condition
Forward voltage	V _F	—	-	1.0	V	I _F = 10 mA
Reverse current	I _R	—	-	100	nA	V _R = 30 V
Capacitance	С	—	-	0.30	pF	V _R = 20 V, f = 1 MHz
Forward resistance	r _f	—	-	2.5	Ω	I _F = 10 mA, f = 100 MHz

Main Characteristic



Package Dimensions



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