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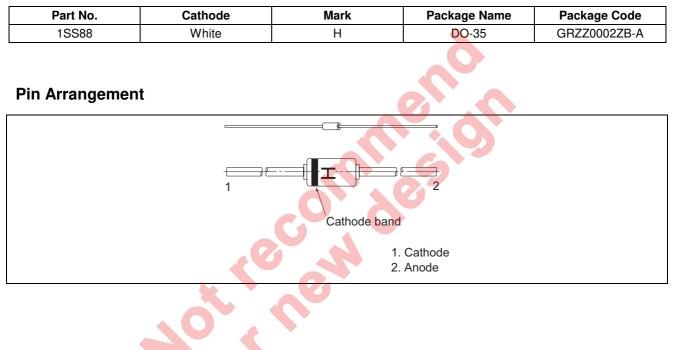
Silicon Schottky Barrier Diode for CATV Balanced Mixer

REJ03G0615-0300 Rev.3.00 May 24, 2007

Features

- Low capacitance. (C = 0.97 pF max)
- High reliability with glass seal.

Ordering Information



Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$		
ltem	Symbol	Value	Unit		
Reverse voltage	V _R	10	V		
Peak forward current	I _{FM}	35	mA		
Average rectified current	lo	15	mA		
Power dissipation	Pd	150	mW		
Junction temperature	Тј	100	°C		
Storage temperature	Tstg	-55 to +100	٥C		

Electrical Characteristics

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

Item	Symbol	Min	Тур	Мах	Unit	Test Condition
Forward voltage	V _{F1}	365	—	430	mV	I _F = 1 mA
	V _{F2}	520	—	600		I _F = 10 mA
Reverse current	I _{R1}		—	0.2	μA	$V_{\rm R} = 2 V$
	I _{R2}		—	10		V _R = 10 V
Capacitance	С		—	0.97	pF	$V_{\rm R} = 0 V$, f = 1 MHz
Capacitance deviation *3	ΔC		—	0.1	pF	$V_{\rm R} = 0$ V, f = 1 MHz
Forward voltage deviation *3	ΔV_{F1}		—	10	mV	I _F = 2.5 mA
	ΔV_{F2}		-	10		I _F = 10 mA
ESD-Capability *1		30		<u> </u>	V	C = 200 pF, R = 0 Ω , Both forward
						and reverse direction 1 pulse.

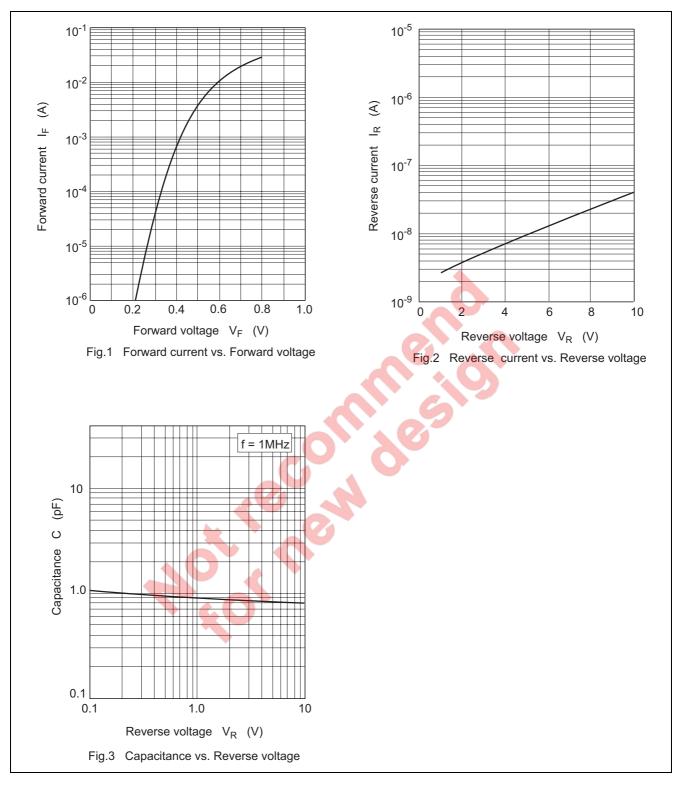
Notes: 1. Failure criterion ; $I_R \ge 50 \ \mu A$ at $V_R = 10 \ V$

2. Each group shall unify a multiple of 4 diodes.

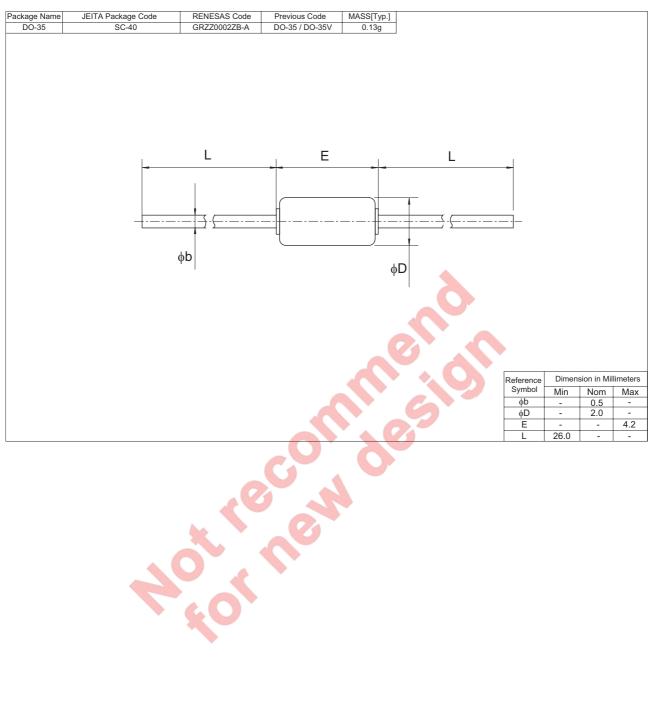
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3. Not applied to taping-type products.

Main Characteristic



Package Dimensions



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