

HSM276ASR

Silicon Schottky Barrier Diode for Balanced Mixer

REJ03G0609-0100 (Previous: ADE-208-840) Rev.1.00 Apr 25, 2005

Features

- High forward current, Low capacitance.
- HSM276ASR which is interconnected in series configuration is designed for balanced mixer use.
- MPAK package is suitable for high density surface mounting and high speed assembly.

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Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
HSM276ASR	S20	МРАК	PLSP0003ZC-A (MPAK)
Pin Arrangement		nn 519.	
		1. Anode 1 2. Cathode 2 3. Cathode 1 4 Anode 2	



Absolute Maximum Ratings

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

ltem	Symbol	Value	Unit	
Repetitive peak reverse voltage	V _{RRM}	5	V	
Reverse voltage	V _R	3	V	
Average rectified current	lo *1	30	mA	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

Note: 1. Per one device

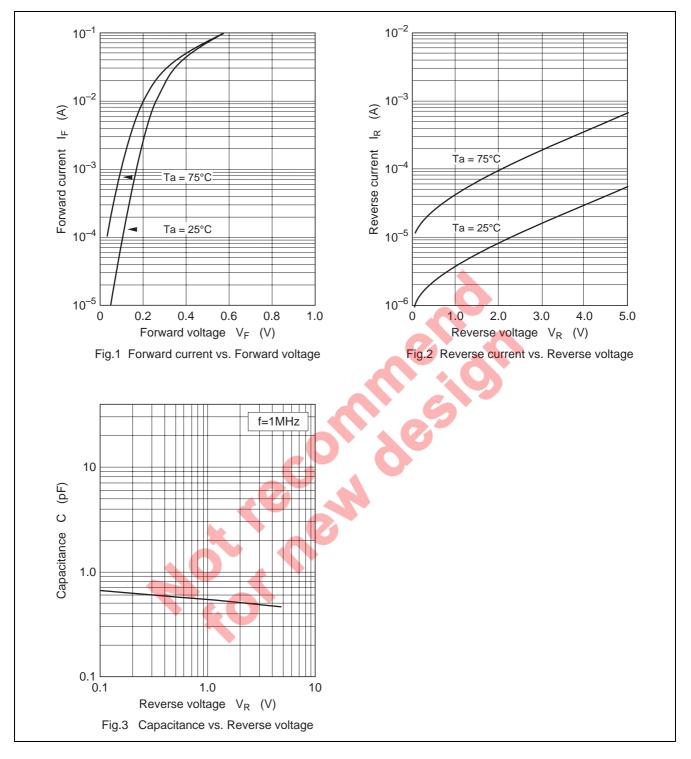
Electrical Characteristics *1

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

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	VR	3	_	_	V	I _R = 1 mA
Reverse current	I _R	_	_	50	μΑ	V _R = 0.5 V
Forward current	IF	35	_	_	mA	V _F = 0.5V
Capacitance	С		_	0.90	pF	V _R = 0.5 V, f = 1 MHz
Capacitance deviation	ΔC	_	_	0.10	pF	V _R = 0.5 V, f = 1 MHz
ESD-Capability * ²	—	30	—	-	V	C = 200 pF, R = 0 Ω , Both forward and reverse direction 1 pulse.
			,C			

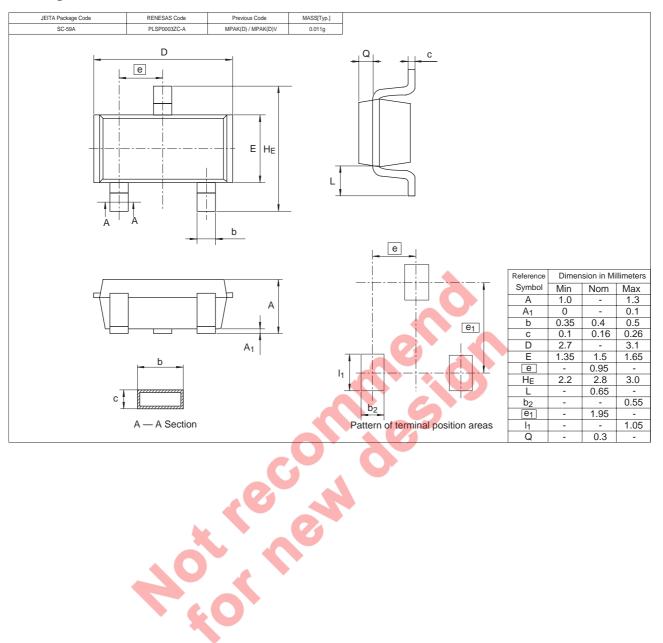


Main Characteristic





Package Dimensions





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