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HSM276ASR

Silicon Schottky Barrier Diode for Balanced Mixer



ADE-208-840(Z) Rev 0 Feb. 2000

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.

Ordering Information

Type No.	Laser Mark	Package Code	
HSM276ASR	S20	МРАК	11
Outline			
维库		3	
	(Top V	iew) 1 Anode 1 2 Cathode 2 3 Cathode 1 Anode 2	
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HSM276ASR

Absolute Maximum Ratings (Ta = 25° C)

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

Note: Per one device

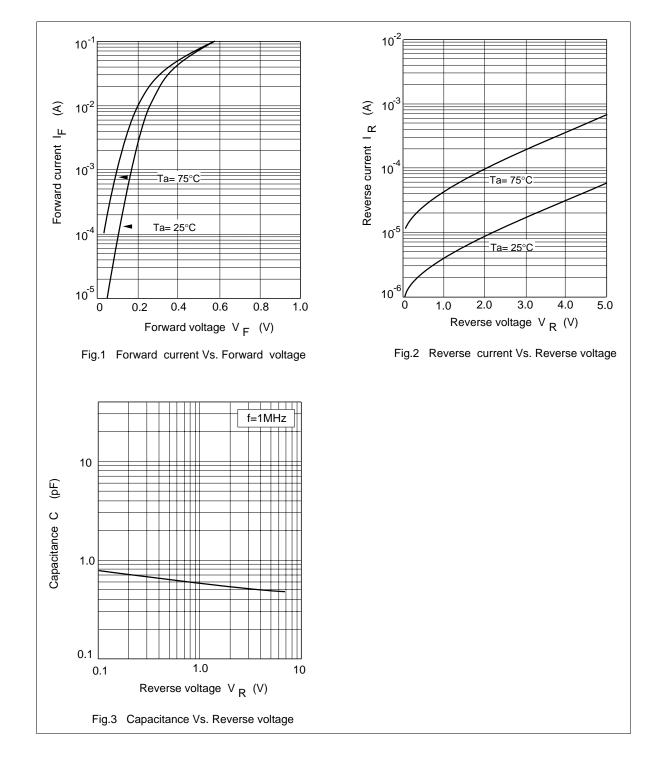
Electrical Characteristics (Ta = 25° C) ^{*2}

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V _R	3.0	—	—	V	I _R = 1 mA
Reverse current	I _R	_	—	50	μA	V _R = 0.5V
Forward current	I _F	35	—	_	mA	$V_{F} = 0.5V$
Capacitance	С	_	_	0.90	pF	V _R = 0.5V, f = 1 MHz
Capacitance deviation	ΔC	_	_	0.10	pF	V _R = 0.5V, f = 1 MHz
ESD-Capability ^{*1}	_	30	_	_	V	C=200pF, R= 0Ω
						Both forward and reverse direction 1pulse.

Notes: 1. Failure criterion ; $I_{_R} \ge 100 \mu A$ at $V_{_R}$ =0.5 V

2. Per one device

HSM276ASR

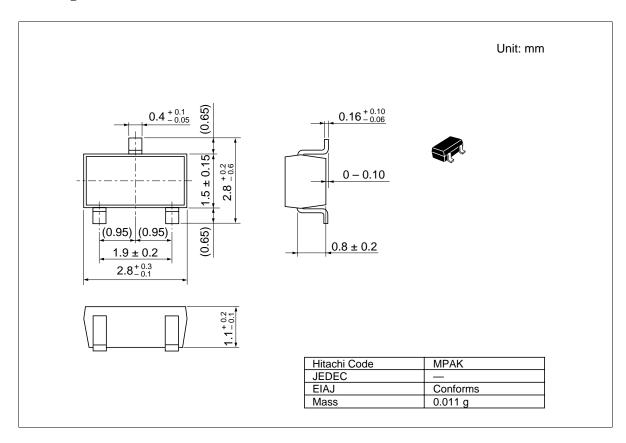


Main Characteristic

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HSM276ASR

Package Dimensions



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