HSM88AS

Silicon Schottky Barrier Diode for Balanced Mixer

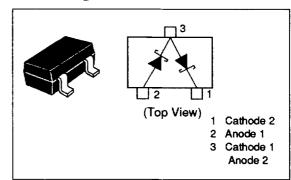
Features

- · Proof against high voltage.
- · MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HSM88AS	C 1	MPAK

Pin Arrangement



Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit	
Reverse voltage	v _R	10	V	
Average rectified	10*	15	mA	
Junction temperature	T _i	100	°C	
Storage temperature T _{stq}		-55 to +100	°C	
Operation temperature	Topr	-40 to +85	°C	

Per one device

Electrical Characteristics (Ta = 25°C) *

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	350	_	420	mV	I _F = 1 mA
	V _{F2}	500		580		I _F = 10 mA
Reverse current	I _{R1}		white the	0.2	μА	V _R = 2 V
neverse content	I _{R2}			10		V _R = 10 V
Capacitance	С			0.85	рF	V _R = 0 V , f = 1 MHz
Capacitance deviation	ΔC	Marine		0.10	pF	V _R = 0 V , f = 1 MHz
Forward voltage deviation	ΔVF			10	mV	I _F = 10 mA
ESD Capability		30			٧	** C=200pF, Both forward and reverse direction 1 pulse

Per one device Failure Criterion ; I_R ≥ 400nA at V_R = 2V

