

5DS22M

Switching Diode

PHENITEC
SEMICONDUCTOR

Features

- High-speed (Common Cathode)

Item	Characteristics
Wafer size	5 inch
Chip size	390*390um

Chip Thickness/Back Metal : See below "Ordering Information"

Maximum Ratings @25degC

Item	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	VRSM	80	V
Repetitive Peak Reverse Voltage	VRRM	80	V
Repetitive Peak Forward Current	IFRM	300	mA
Continuous Forward Current	IO	100	mA
Non-Repetitive Peak Forward Current @t=1us	IFSM	4.0	A
Power Dissipation	PD	200	mW
Junction Temperature	Tj	150	degC
Storage Temperature	Tstg	-55to+150	degC

Electrical Characteristics @25degC

Item	Symbol	Min	Max	Unit	Test Condition
Forward Voltage	VF		1.2	V	IF=100mA
Breakdown Voltage	BV	80		V	IR=100uA
Reverse Current	IR		100.0	nA	VR=70V
Capacitance	CT		4.0	pF	VR=0V, f=1MHz
Reverse Recovery Time	trr		4.0	nsec	IF=IR=10mA, RL=100Ω, irr=1mA

Wafer Probing Spec @25degC

Symbol	Min	Max	Unit	Test Condition
VF		1.15	V	IF=100mA
BV	90		V	IR=100uA
IR1		25	nA	VR=30V
IR2		90	nA	VR=70V

Ordering Information

Chip Type	Chip Thickness	Back Metalization
5DS22MS	180±15um	Au/As (For Eutectic)

Note

Equivalent type : BAW62

SheetNo.

Rev.