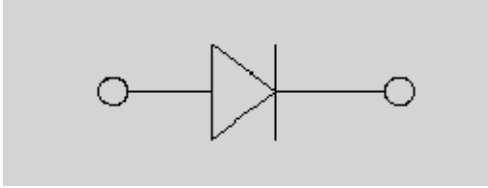
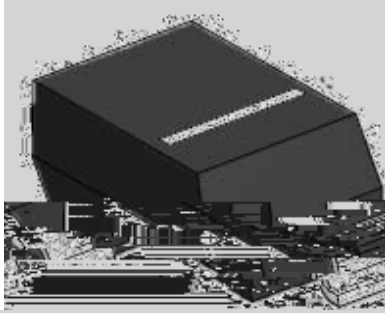


Small-Signal Fast Switching Diodes



Features

V_R 100V
 I_{FAV} 250mA

Typical Applications

Extreme fast switches

Mechanical Data

Package: SOD123

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Marking:

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		100
Reverse voltage	V_R	V	$I_R=100\mu A$	100
Peak forward surge current	I_{FSM}	A	Pulse width=1 us Pulse width=1 s	2 0.5
Average forward current	I_{FAV}	mA		250
Power dissipation	P_{tot}	mW		500
Maximum junction temperature	T_j			-55 to +150
Storage temperature range	T_{stg}			-55to +150
Thermal Resistance Junction to Ambient Air	R_{JA}	/W		315

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Forward Voltage	V_F	V	$I_F=10\text{mA}$	1.1
Reverse Leakage Current	I_{R1}	nA	$V_R=10\text{V}$	1
Reverse Recovery Time	T_{rr}	ns	$V_R=10\text{V}$ $I_F=10\text{mA}$ $I_{rr}=0.1 \cdot I_R$ $R_L=100$	4

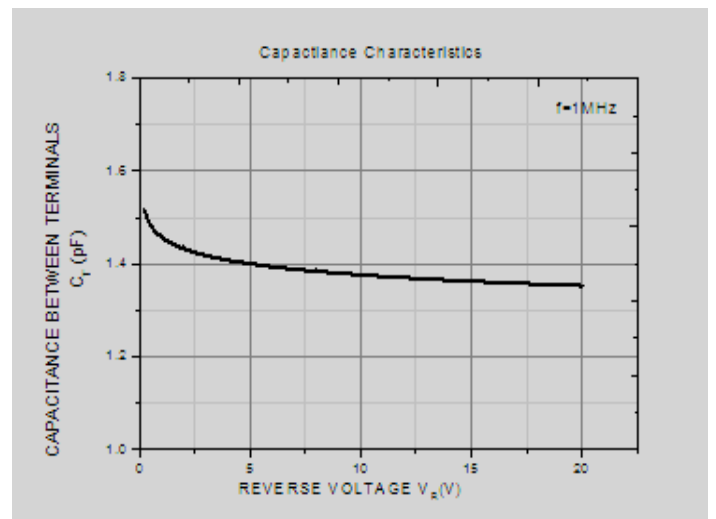
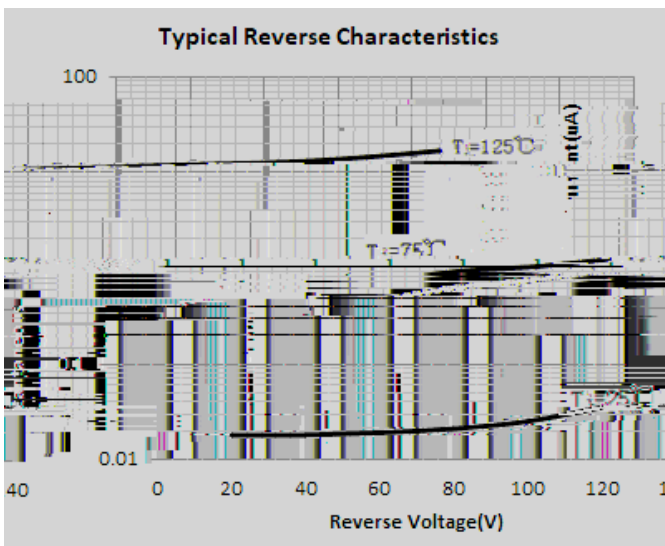
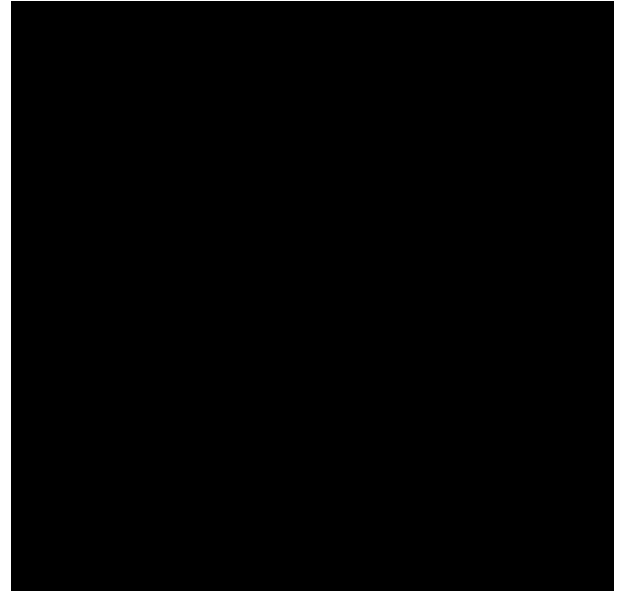
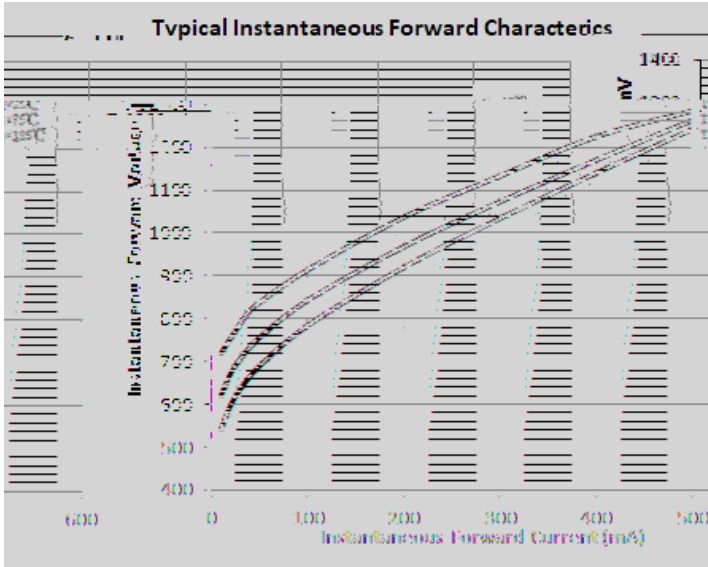


1N4448W

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1N4448W	F2	Approximate 0.011	3000	30000	120000	7" reel

Characteristics (Typical)



1N4448W



1N4448W

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to gf m