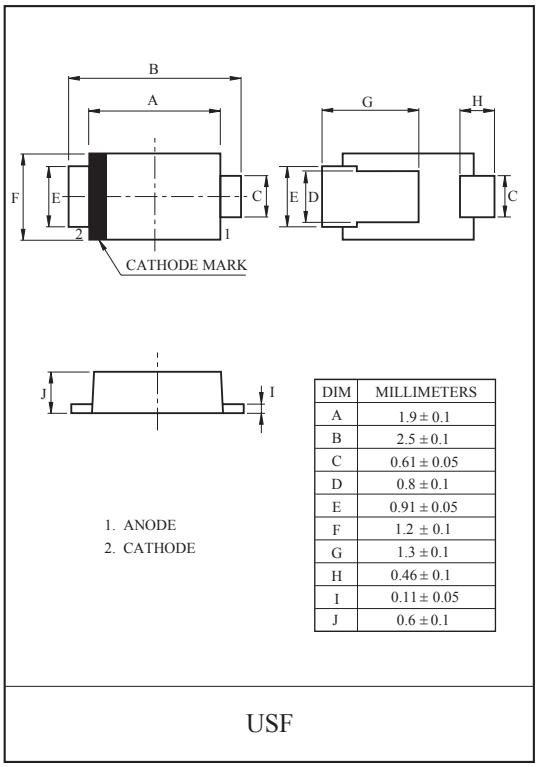
SWITCHING TYPE POWER SUPPLY APPLICATIONS.



DIM	MILLIMETERS
A	1.9 ± 0.1
B	2.5 ± 0.1
C	0.61 ± 0.05
D	0.8 ± 0.1
E	0.91 ± 0.05
F	1.2 ± 0.1
G	1.3 ± 0.1
H	0.46 ± 0.1
I	0.11 ± 0.05
J	0.6 ± 0.1

USF

FEATURES

- Low Profile Surface Mount Package.
- Low Power Loss, High Efficiency.
- For Use in Low Voltage, High Frequency inverters, Free Wheeling, and Polarity Protection Applications.

APPLICATION

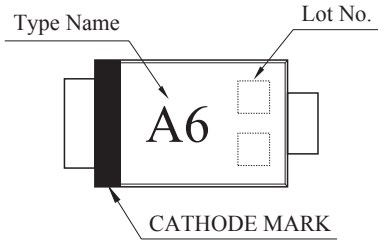
- Switching Power Supply.
- Reversed Battery Connection Protection.
- DC/DC Converter.
- Cellular Phones.

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	60	V
Average Output Rectified Current	I_O	1	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	25	A
Power Dissipation	P_D *	700	mW
Junction Temperature	T_j	-40～150	℃
Storage Temperature Range	T_{stg}	-40～150	℃

* Mounted on a glass epoxy board (of 1 × 1 inch)

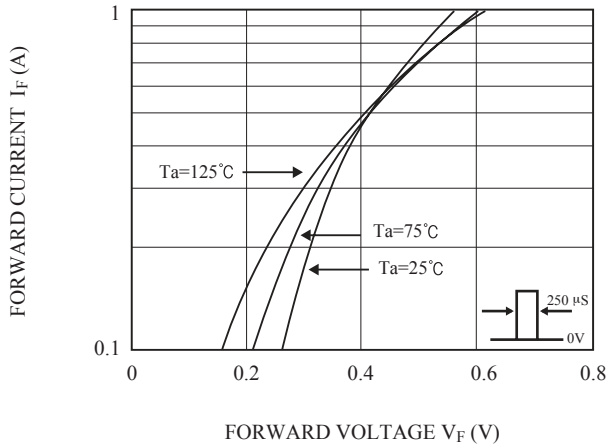
Marking



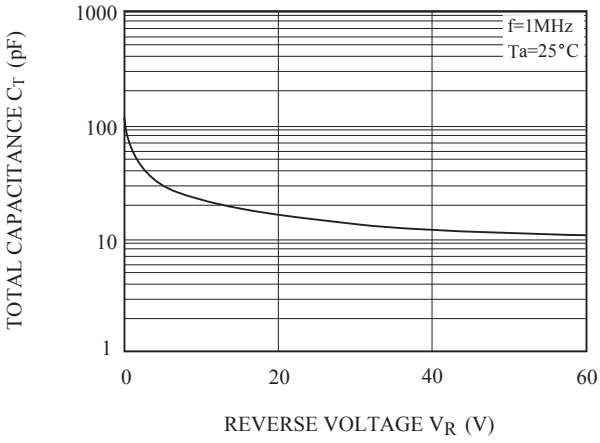
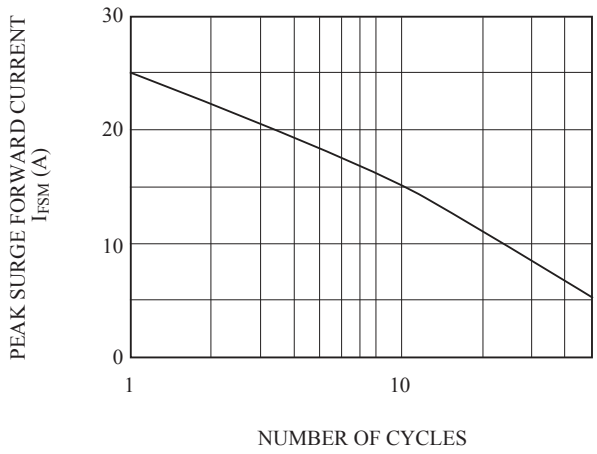
ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I_{FM}=1.0A	-	0.55	0.6	V
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM}=60V	-	-	1	mA
Total Capacitance	C_T	V_R=0V, f=1.0MHz	-	120	-	pF
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	-	178.6	℃/W

I_F - V_F



C_T - V_R



I_{FSM} - CYCLE CHARACTERISTICS