

Fast Recovery High voltage diodes



Features

- $I_F (AV)$ 5mA
- V_{RRM} 8KV
- High reliability

Applications

High voltage power supply

Mechanical data

- Epoxy meets UL 94V-0 flammability rating
- **Terminals: Pure tin plated leads**
- Marking: Type number
- Polarity: As Marked on Body
- Lead Free: For RoHS /Lead Free Version

Maximum rating ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter		Symbol	71S	Unit
Repetitive peak reverse voltage		V_{RRM}	8	kV
Non-Repetitive peak reverse voltage		V_{RSM}	8.8	kV
Average forward current	AT $T_a=25^\circ\text{C}$	$I_{F(AV)}$	5	mA
Forward surge current	50HZ half- sine wave , 1/2 cycle, $T_a=25^\circ\text{C}$	I_{FSM}	0.5	A
Peak forward voltage	$I_{FM}=10\text{mA}$	V_{FM}	20	V
Peak reverse current	$V_{RM}=V_{RRM}$ $T_a=25^\circ\text{C}$	I_{RRM1}	2	μA
Peak reverse current	$V_{RM}=V_{RRM}$ $T_a=100^\circ\text{C}$	I_{RRM1}	5	μA
Reverse Recovery Time	$I_F=2\text{mA}; I_{RM}=4\text{mA}, T_a=25^\circ\text{C}$	t_{rr}	80	nS
Virtual junction temperature		$T_{(vj)}$	125	$^\circ\text{C}$
Storage temperature		T_{stg}	-40 ~ +125	$^\circ\text{C}$

SMA Package outline dimensions

