

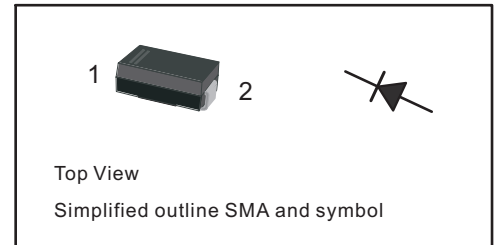
Trench MOS Barrier Schottky

Features

- Low power loss, high efficiency
- High current capability
- low forward voltage drop
- For use in low voltage

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Maximum Ratings and Electrical characteristics

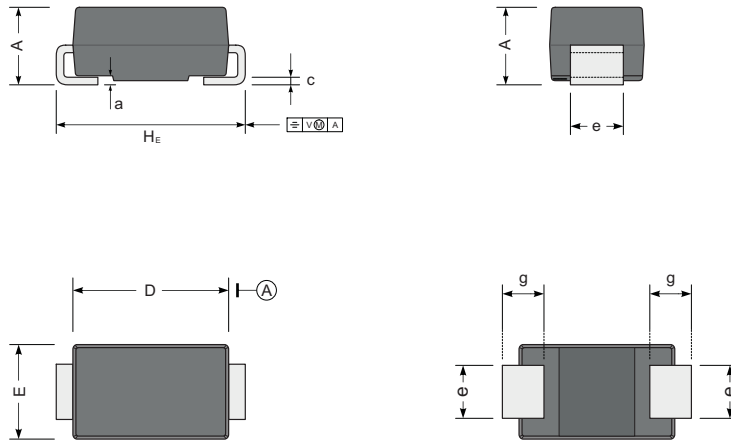
Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbol	Spec. Limit			Unit
		Min.	Typ.	Max.	
Max. Repetitive Peak Reverse Voltage @0.5mA	V_{RRM}	45	50		V
Max. Average Forward Rectified Current	$I_{F(AV)}$			5	A
Forward Voltage Drop	V_F		0.30 0.35 0.42	0.46	V
Max. Reverse Current at V_{RRM} @45V	I_R		50	100	μA
Operating Temperature Range	T_J	-55		+125	°C
Storage Temperature Range	T_{STG}	-55		+150	°C

PACKAGE OUTLINE

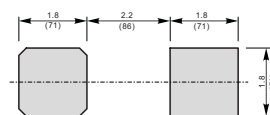
Plastic surface mounted package; 2 leads

SMA



UNIT		A	D	E	H _E	c	e	g	a
mm	max	2.2	4.5	2.7	5.2	0.31	1.6	1.5	0.3
	min	1.9	4.0	2.3	4.7	0.15	1.3	0.9	
mil	max	87	181	106	205	12	63	59	12
	min	75	157	91	185	6	51	35	

The recommended mounting pad size



Unit: $\frac{\text{mm}}{\text{mil}}$