

Features

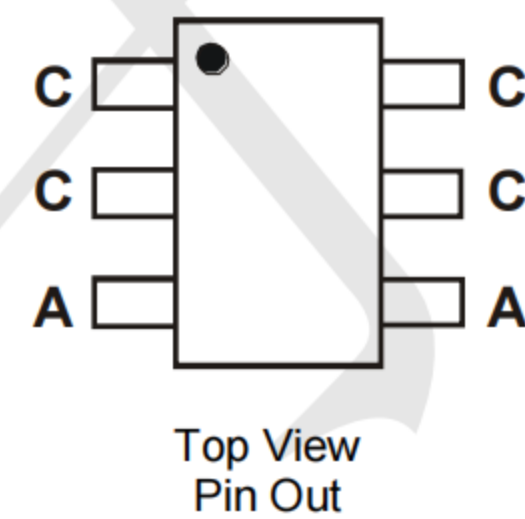
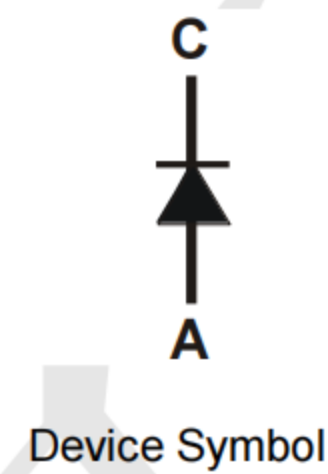
- VR=40V
- IF=2A

Applications

- Mobile
- DC-DC Converters

Ordering Information

- Shipping Qty:3000/7inch Tape& Reel



Marking:ZS20

Absolute Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
DC Reverse Voltage	V _R	40	V
Continuous Forward Current	I _F	2	A
Maximum Average Forward Output Current	I _{F(AV)}	4	A
Peak Forward Surge Current t ≤ 100 s	I _{FSM}	20	A

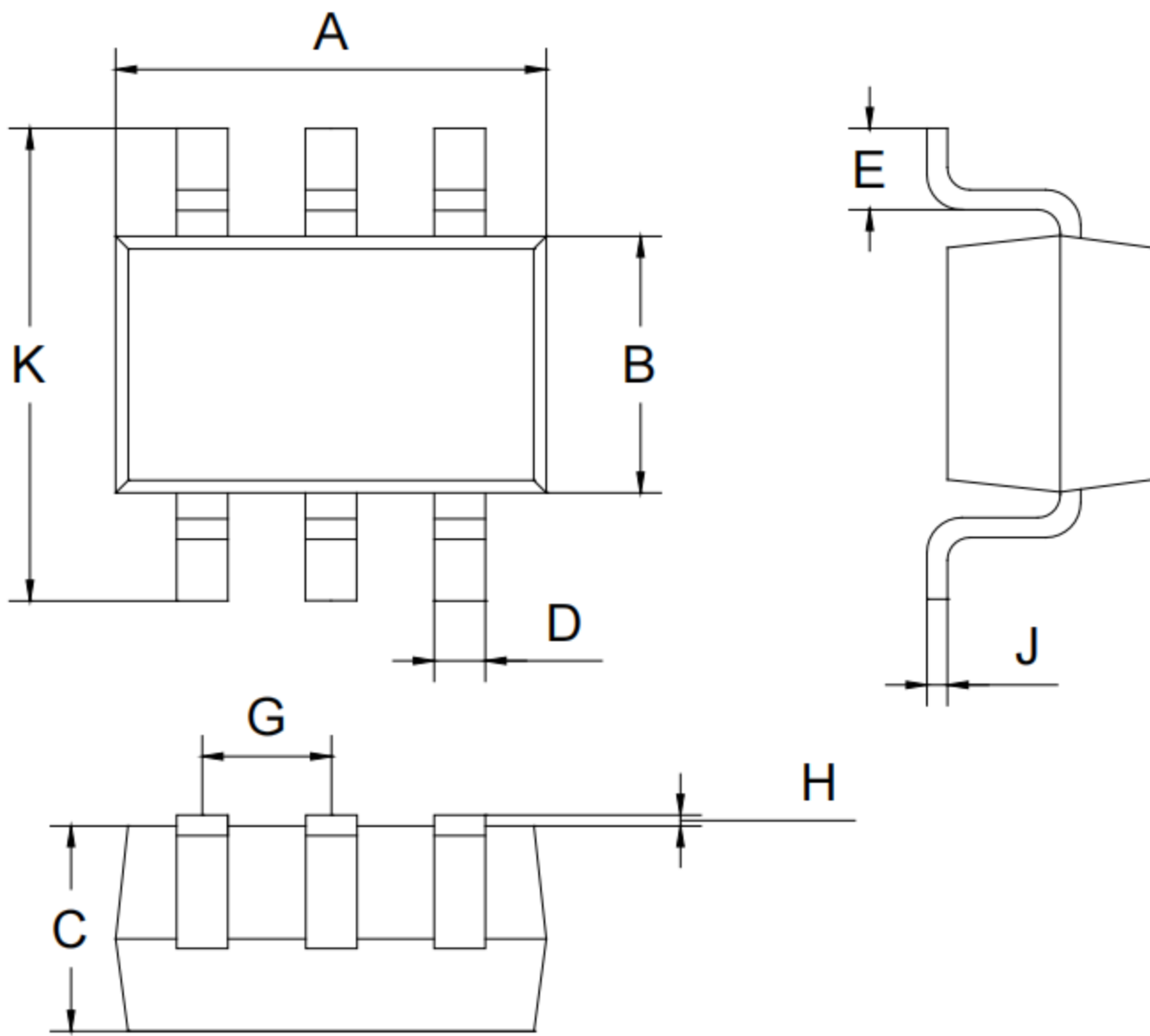
Thermal Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Power Dissipation	P _D	1100	mW
Operating Junction Temperature	T _J	-55 ~ +125	°C
Storage Temperature Range	T _{STG}	-55 ~ +150	°C

Electrical Characteristics ($T_A=25^\circ\text{C}$ unless otherwise noted)

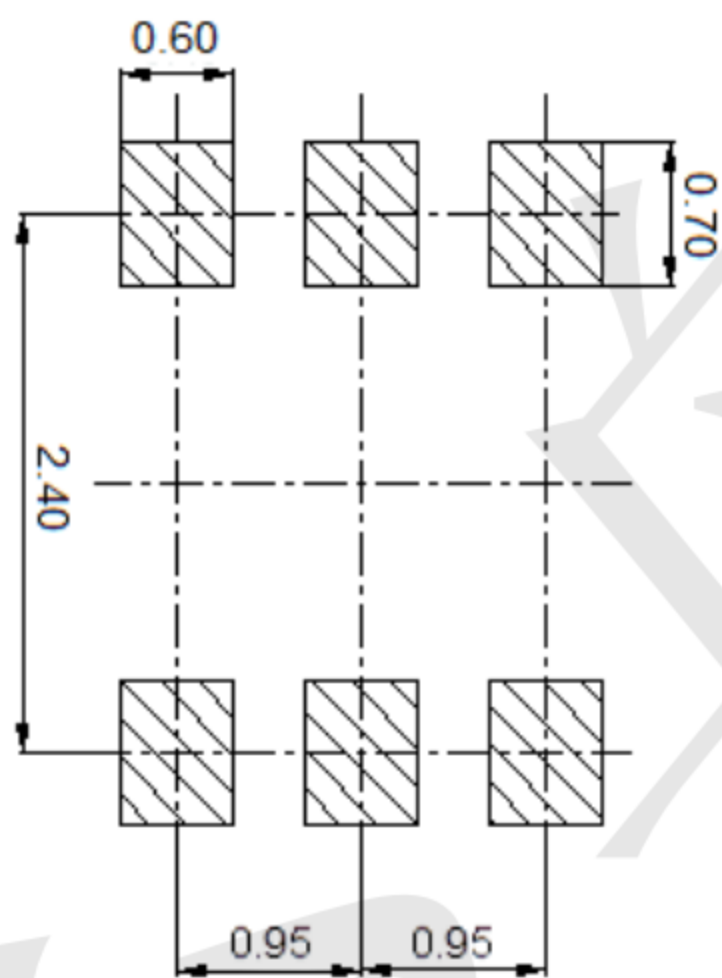
Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	$V_{(BR)R}$	$I_R = 100\mu\text{A}$	40	-	-	V
Forward Voltage	V_F	$I_F = 1\text{A}$	-	0.4	-	V
		$I_F = 2\text{A}$	-	0.45	0.55	V
		$I_F = 3\text{A}$	-	-	0.63	V
Maximum Peak Reverse Current	I_R	$V_R = 40\text{V}$	-	-	50	μA

SOT23-6 Package Outline Dimensions



Dimension	Min.	Max.
A	2.80	3.00
B	1.50	1.70
C	1.00	1.20
D	0.35	0.45
E	0.35	0.55
G	0.90	1.00
H	0.02	0.10
J	0.10	0.20
K	2.60	3.00

Mounting Pad Layout (Unit: mm)



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