



TECH PUBLIC

台舟电子

TPM1003NS3-1

100V 3.5A N-Channel MOSFET

www.sot23.com.tw

General Features

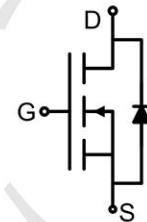
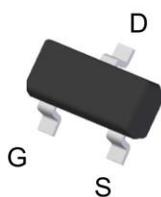
- $V_{DS} = 100V, I_D = 3.5A$
- $R_{DS(ON)} < 130m\Omega @ V_{GS}=10V$ (96m Ω Typ)
- $R_{DS(ON)} < 180m\Omega @ V_{GS}=4.5V$ (140m Ω Typ)

Application

- Load/Power Switching
- Interfacing Switching
- Battery Management for Ultra Small Portable
- Logic Level Shift

Package and Pin Configuration

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Marking:



“P” is TECHPUBLIC LOGO
“XXXX” Marking ID (Please see the last page for details)

Absolute Maximum Ratings ($T_A=25^\circ C$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Drain-Source Voltage	V_{DS}	100	V
Gate-Source Voltage	V_{GS}	± 20	V
Drain Current-Continuous	I_D	3.5	A
Drain Current-Pulsed (Note 1)	I_{DM}	20	A
Maximum Power Dissipation	P_D	1.5	W
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 To 175	°C

Thermal Characteristic

Thermal Resistance, Junction-to-Ambient (Note 2)	$R_{\theta JA}$	100	°C/W
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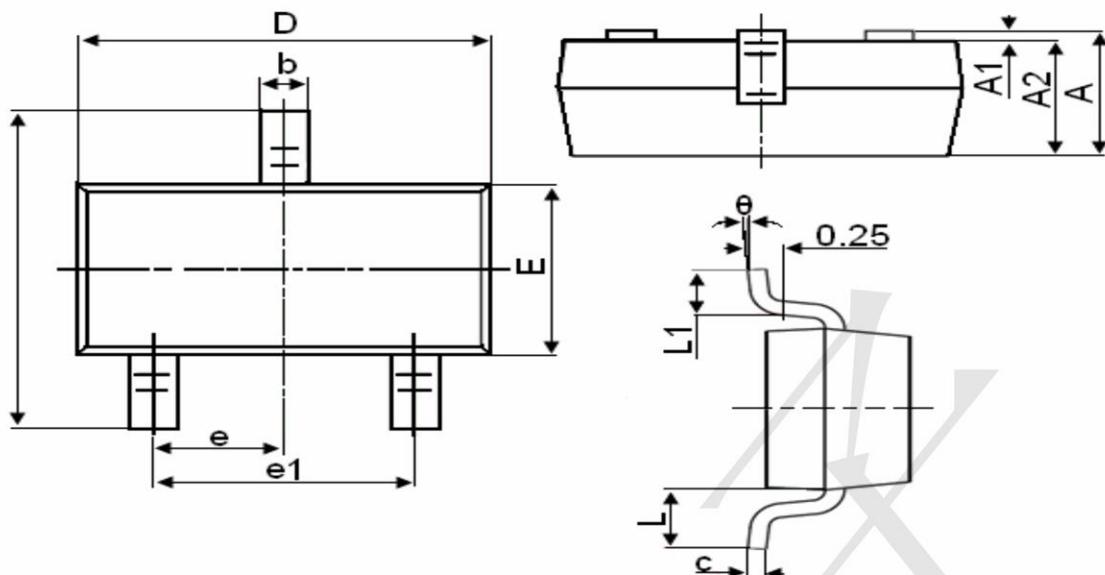
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Package Outline Dimensions (SOT-23)



Symbol	Dimensions in Millimeters	
	MIN.	MAX.
A	0.900	1.150
A1	0.000	0.100
A2	0.900	1.050
b	0.300	0.500
c	0.080	0.150
D	2.800	3.000
E	1.200	1.400
E1	2.250	2.550
e	0.950TYP	
e1	1.800	2.000
L	0.550REF	
L1	0.300	0.500
θ	0°	8°

Marking:



"P" is TECHPUBLIC LOGO
"3N" is Part number,fixed
"xx"is internal code