





# Absolute Maximum Ratings\* Ta=25°C unless otherwise noted

Symbol	Parameter	Ratings	Units	
V <sub>DG</sub>	Drain-Gate Voltage	30	V	
V <sub>GS</sub>	Gate-Source Voltage	-30	V	
I <sub>GF</sub>	Forward Gate Current 10 m			
T <sub>J</sub> , T <sub>STG</sub>	Operating and Storage Junction Temperature Range -55 ~ 150 °C			
* This ratings are limitin	ng values above which the serviceability of any semiconductor device may be impaired	1.	•	

NOTES:

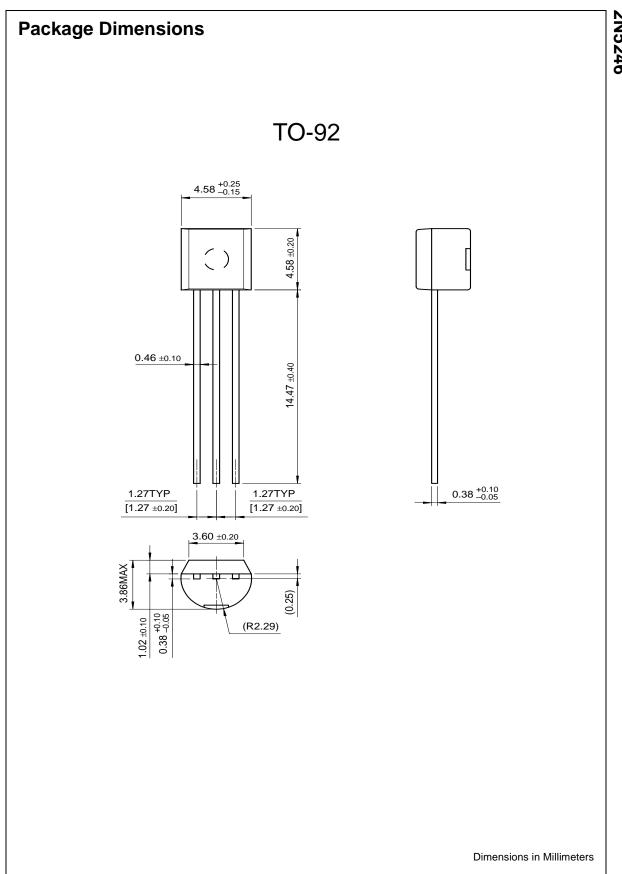
These rating are based on a maximum junction temperature of 150 degrees C.
These are steady limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

# Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
Off Charac	teristics	00 710 2			•
V <sub>(BR)GSS</sub>	Gate-Source Breakdwon Voltage	$I_{G} = 1.0 \mu A, V_{DS} = 0$	-30		V
GSS	Gate Reverse Current	$V_{GS} = 25V, V_{DS} = 0$		-1.0	nA
V <sub>GS(off)</sub>	Gate-Source Cutoff Voltage	V <sub>DS</sub> = 15V, I <sub>D</sub> = 1.0nA	-0.5	-4.0	V
On Charac	teristics				
DSS	Zero-Gate Voltage Drain Current *	$V_{DS} = 15V, V_{GS} = 0$	1.5	7.0	mA
Small Sigr	al Characteristics				
gfs	Forward Transferconductance	$V_{GS} = 0V, V_{DS} = 15V, f = 1.0kHz$	3000	9500	μmhos
goss	Common- Source Output Conductance	V <sub>GS</sub> = 0V, V <sub>DS</sub> = 15V, f = 1.0kHz		50	μmhos
Pulse Test: Pul	se ≤ 300µs		da-	411	50.0
Pulse Test: Pul	•	$V_{GS} = 0V, V_{DS} = 15V, t = 1.0kHz$	B	50	Z

# Thermal Characteristics T<sub>A</sub>=25°C unless otherwise noted

Symbol	Parameter	Max.	Units
P <sub>D</sub>	Total Device Dissipation	350	mW
	Derate above 25°C	2.8	mW/°C
$R_{\theta JC}$	Thermal Resistance, Junction to Case	125	°C/W
R <sub>0JA</sub>	Thermal Resistance, Junction to Ambient	357	°C/W



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Programmable A		SuperSOT™-3	

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