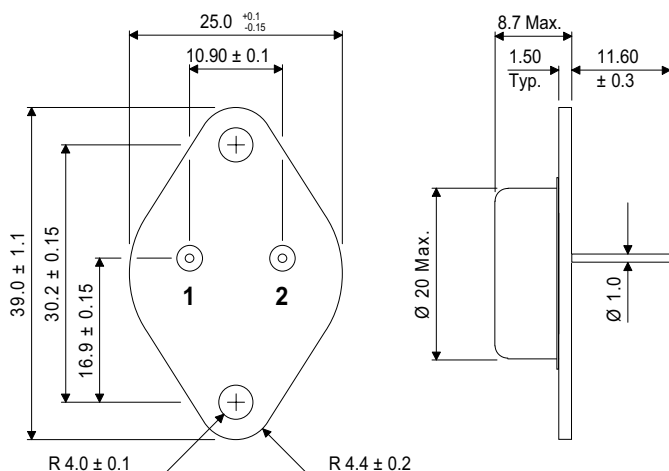


MECHANICAL DATA

Dimensions in mm

N-CHANNEL POWER MOSFET



POWER MOSFETS FOR AUDIO APPLICATIONS

FEATURES

- HIGH SPEED SWITCHING
- N-CHANNEL POWER MOSFET
- SEMEFAB DESIGNED AND DIFFUSED
- HIGH VOLTAGE (160V & 200V)
- HIGH ENERGY RATING
- ENHANCEMENT MODE
- INTEGRAL PROTECTION DIODE
- P-CHANNEL ALSO AVAILABLE AS BUZ905 & BUZ906

TO-3

Pin 1 – Gate

Pin 2 – Drain

Case – Source

ABSOLUTE MAXIMUM RATINGS

($T_{case} = 25^{\circ}\text{C}$ unless otherwise stated)

		BUZ900	BUZ901
V_{DSX}	Drain – Source Voltage	160V	200V
V_{GSS}	Gate – Source Voltage	$\pm 14\text{V}$	
I_D	Continuous Drain Current	8A	
$I_{D(PK)}$	Body Drain Diode	8A	
P_D	Total Power Dissipation @ $T_{case} = 25^{\circ}\text{C}$	125W	
T_{stg}	Storage Temperature Range	-55 to 150°C	
T_j	Maximum Operating Junction Temperature	150°C	
$R_{\theta JC}$	Thermal Resistance Junction – Case	1°C/W	