

Features and Benefits

- $V_{(BR)DSS} > -200V$
- $R_{DS(on)} \leq 80\Omega @ V_{GS} = -10V$
- Maximum continuous drain current $I_D = -35mA$
- "Lead Free", RoHS Compliant (Note 1)
- Halogen and Antimony Free. "Green" Device
- Qualified to AEC-Q101 Standards for High Reliability

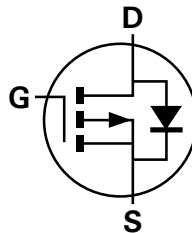
Mechanical Data

- Case: SOT23
- Case Material: Molded Plastic, "Green" Molding Compound. UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish – NiPdAu over Copper leadframe. Solderable per MIL-STD-202, Method 208
- Weight: 0.001 grams (approximate)

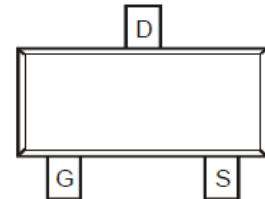
SOT23



Top View



Device symbol



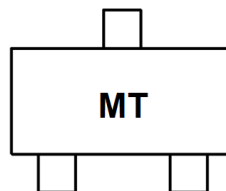
Pin-Out Top View

Ordering Information

Part Number	Marking	Reel size (inches)	Tape width (mm)	Quantity per reel
ZVP1320FTA	MT	7	8	3000

Notes: 1. No purposefully added lead

Marking Information



MT = Product Type Marking Code

Maximum Ratings @T_A = 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Drain-Source Voltage	V _{DSS}	-200	V
Gate-Source Voltage	V _{GSS}	±20	V
Continuous Drain Current	I _D	-35	mA
Pulsed Drain Current (Note 3)	I _{DM}	-400	mA

Thermal Characteristics @T_A = 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Power Dissipation (Note 2)	P _D	350	mW
Thermal Resistance, Junction to Ambient (Note 2)	R _{θJA}	357	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

- Notes:
2. For a device mounted on 25mm X 25mm X 1.6mm FR-4 PCV with high coverage of single sided 1oz copper, in still air condition.
 3. Device mounted on minimum recommended pad layout test board, 10μs pulse duty cycle = 1%.