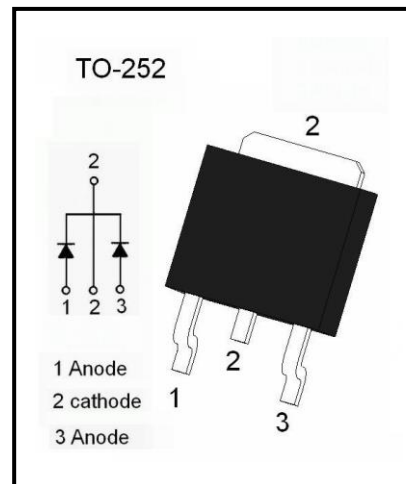


Reverse Voltage: 45 Volts
Forward Current: 10 Amps

Features:

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- Low Power Loss, High Efficiency
- High Surge Capability
- High Current Capability and Low Forward Voltage Drop
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications



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

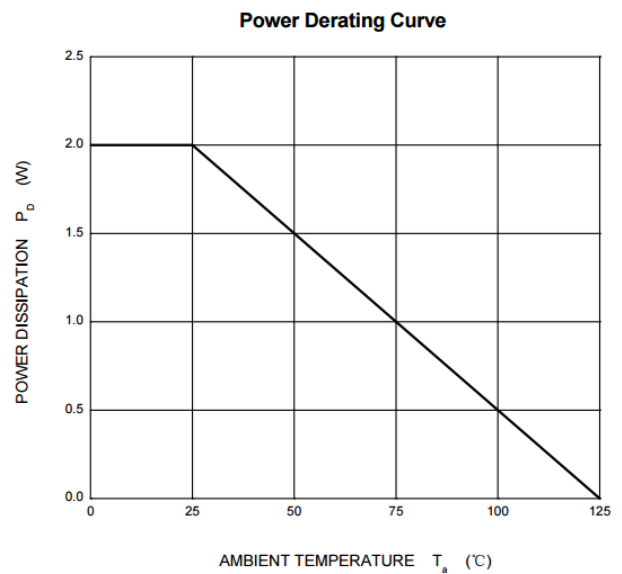
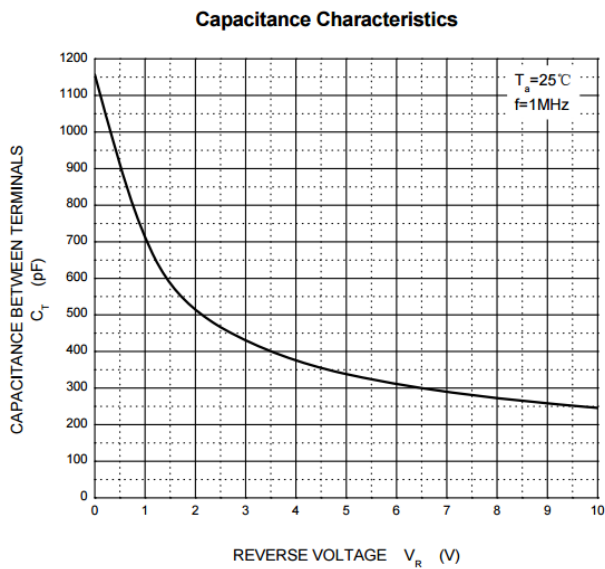
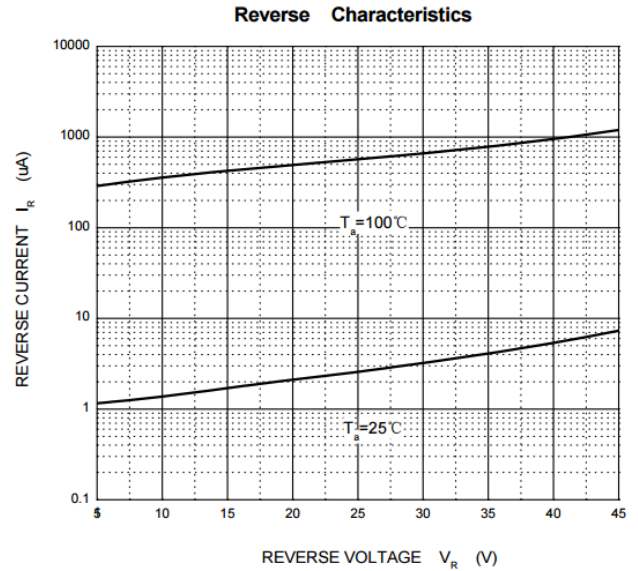
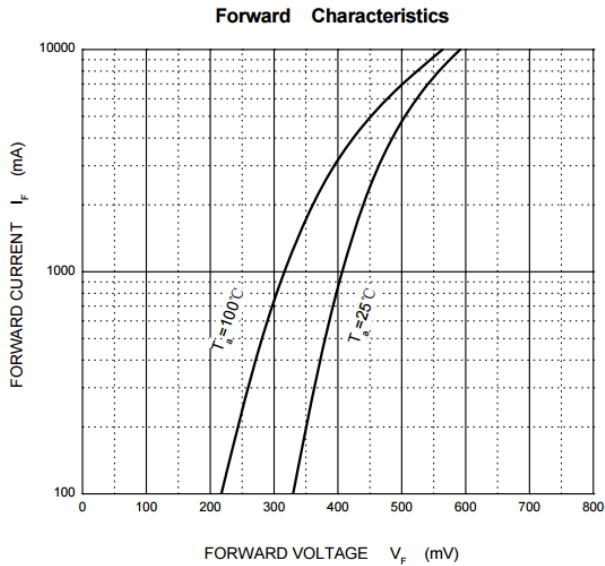
Parameter	Symbol	Value	Units
Peak Inverse Voltage	V_{RRM}	45	V
RMS reverse voltage	$V_{R(RMS)}$	32	V
Average rectified output current@ Tc=100 °C	$I_{F(AV)}$	2×5	A
Nonrepetitive Peak Surge Current@8.3ms	$I_{F(SM)}$	150	A
Operating Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55~+150	°C

Electrical Characteristics (Ta = 25°C unless otherwise noted)

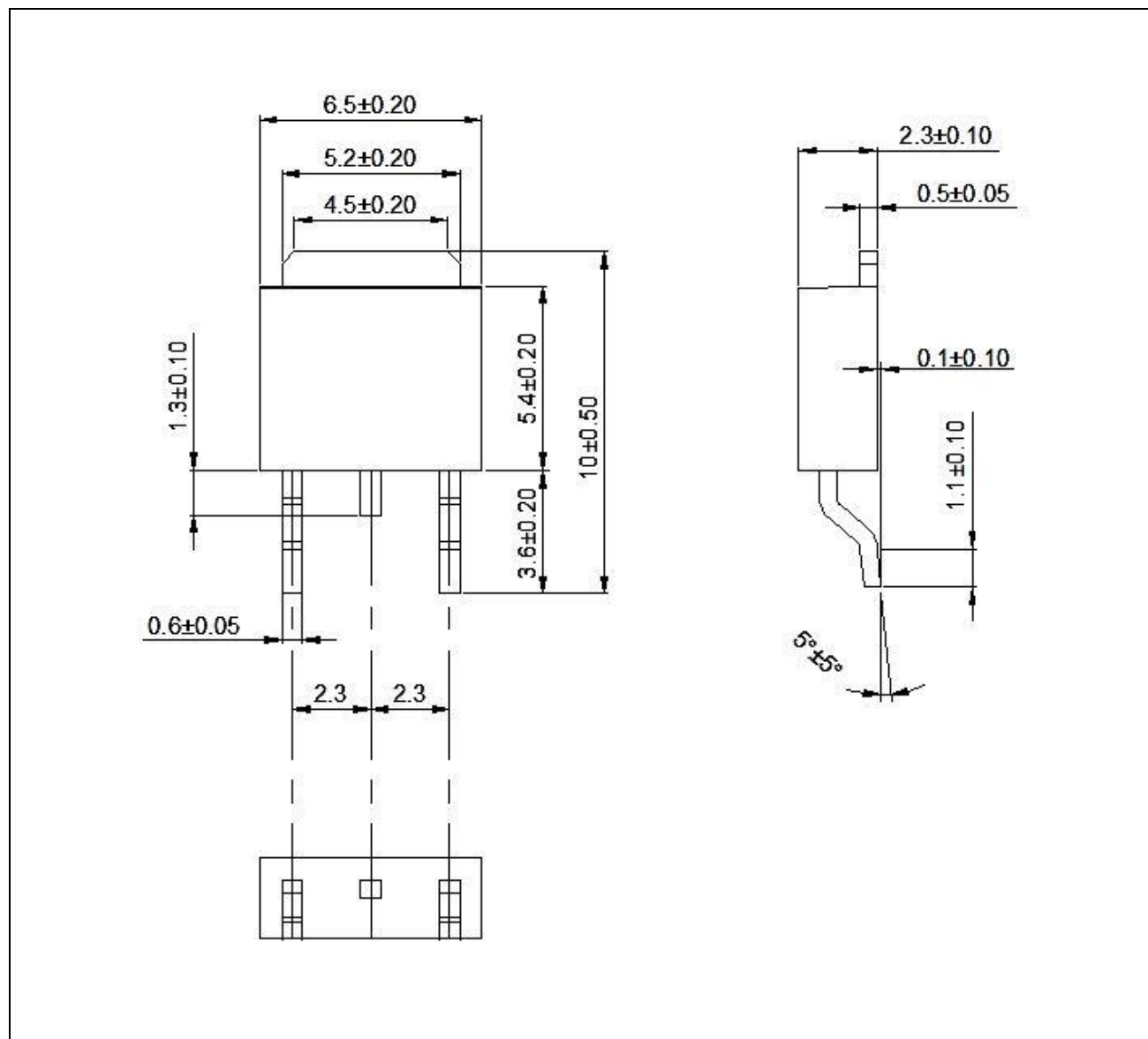
Test Condition	Symbol	Test Conditions	Min.	Typ.	Max.	Units
Reverse Breakdown Voltage	V_{BR}	$I_R = 0.1mA$	45			V
Reverse Leakage Current	I_R	$V_R = 45V$			0.1	mA
Forward Voltage	V_{F1}^*	$I_F = 5A$			0.70	V
	V_{F2}^*	$I_F = 10A$			0.84	V

* Pulse width < 300 μs, duty cycle < 2 %

Typical Characteristics



Outline Dimensions (Unit : mm)



Packge	Packing	Box Size L×W×H(mm)	Quatity(pcs/box)	Carton Size L×W×H(mm)	Quatity(pcs/carton)
TO-252	80pcs/Tube	560×150×50	4000	570×290×180	40000
TO-252	2500pcs/Reel	335×335×40	2500	370×370×440	12500/25000