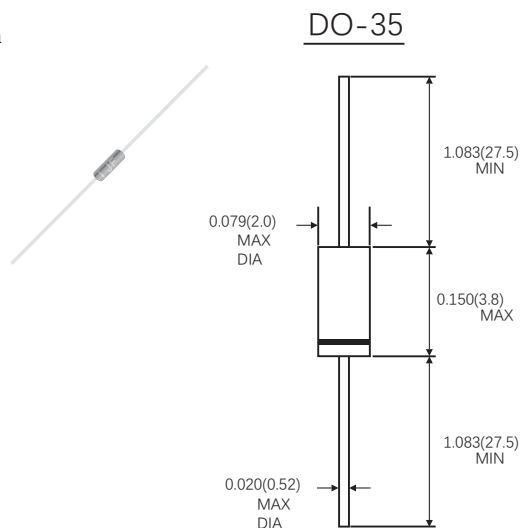


FEATURES

- Detection efficiency is very good
- Small temperature coefficient
- High reliability with glass seal
- For use in RECORDER, TV, RADIO, TELEPHONE as detectors,
- super high speed switching circuits small current rectifier
- High temperature soldering guaranteed 260°C\ 10 seconds at terminals
- Component in accordance to RoHS 2015\863\EU

MECHANICAL DATA

- Case: DO-35 glass case
- Polarity: color band denotes cathode end
- Weight: Approx. 0.13 gram



ABSOLUTE RATINGS(LIMITING VALUES)($T_A=25^{\circ}\text{C}$)

Dimensions in inches and (millimeters)

Parameters	Smbols	Value	Units
Reverse voltage	V_R	10	V
Average rectified current	I_O	30	mA
Junction temperature	T_J	125	$^{\circ}\text{C}$
Storage temperature	T_{STG}	-55 to +125	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

Parameters	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Forward Current	I_F	$V_F=1\text{V}$	4.5	-	4.5	mA
Reverse Current	I_R	$V_R=6\text{V}$	-	-	70	μA
Junction Capacitance	C_J	$V_R=1\text{V}$ $f=1\text{MHZ}$	-	-	1.5	pF
Rectifier efficiency	η	$V_R=2V_{rms}$ $f=40\text{MHZ}$ $R=5K\Omega$ $C=20\text{pF}$	70	-	-	%
ESD-Capability		$C=200\text{pF}$ (Note 1) Both forward and reverse direction 1 pulse	100	-	-	V

Note: 1.Failure criterion: $I_R > 140\text{mA}$ at $V_R=6\text{V}$

Figure 1. forward Characteristics

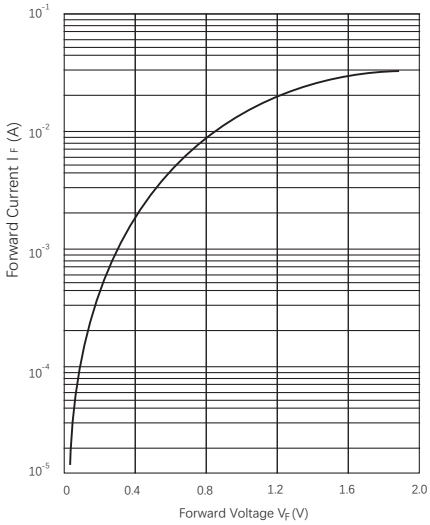


Figure 2. Reverse Characteristics

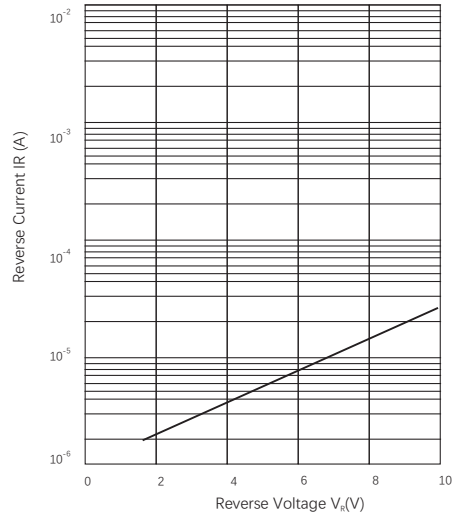


Figure 3. Junction Capacitance

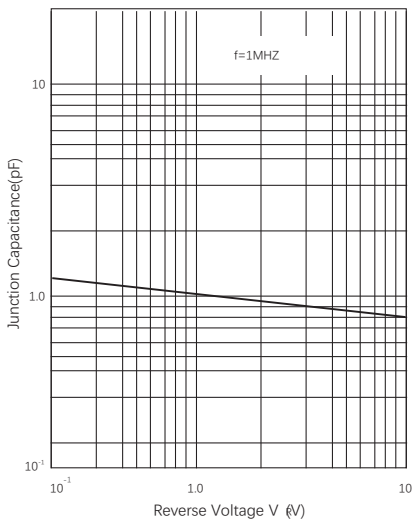
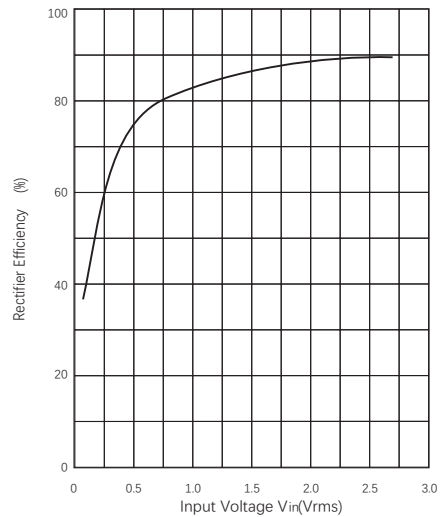


Figure 4. Rectifier Efficiency



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