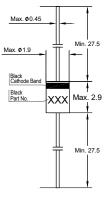
1S2638PF

Tuner AFC Diode

The 1S2638 is a variable capacitor diode intended for AFC applications, VHF TV applications, FM receivers. Air craft communications gear, and other receivers in the 1 MHz to 500 MHz.

Standard package is DO-35 case, DO-34 case is available upon request.

Max. Ø 0.5 Max. Ø 1.9 Black Cathode Band Black Part No. ST Brand Min. 27.5 Min. 27.5 Min. 27.5



Glass Case DO-35 Dimensions in mm

Glass Case DO-34 Dimensions in mm

Features

Lead Free

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Breakdown Voltage	V _{BR}	10	V
Average Forward Current	I _{F(AV)}	250	mA
Power Dissipation	Ptot	350	mW
Operating Temperature Range	T _{opr}	- 65 to + 175	٥C
Storage Temperature Range	Tstg	- 65 to + 200	٥C

Thermal Characteristics

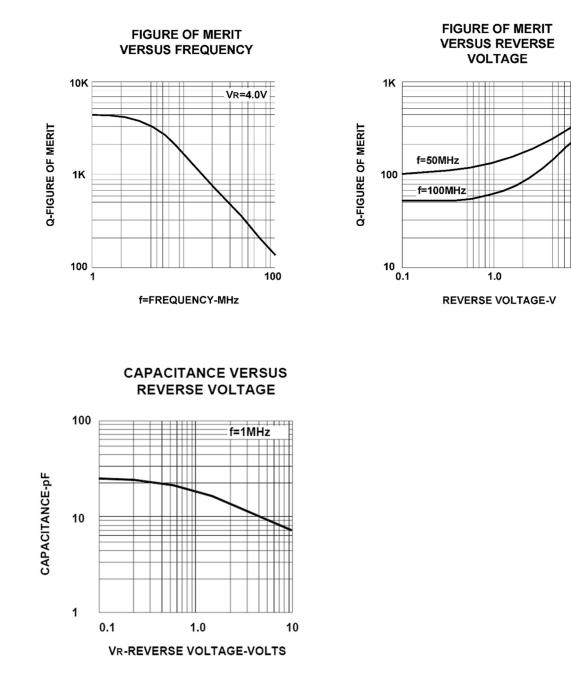
Parameter	Symbol	Max.	Unit
Thermal Resistance from Junction to Ambient	Reja	429	°C/W

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Reverse Current at $V_R = 10 V$	I _R	-	5	μA
Nominal Capacitance at $V_R = 4 V$, f = 1 MHz	С	5	20	pF
Figure Of Merit at $V_R = 4 V$, f = 100 MHz	Q	50	-	-



Electrical Characteristics Curves



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