FV1043PF

Tuner AFC diode

The FV1043PF 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.

Features

Lead Free





Glass Case DO-35 Dimensions in mm

Glass Case DO-34 Dimensions in mm

Absolute Maximum Ratings (Ta = 25 °C)

Parameter	Symbol	Value	Unit
Breakdown Voltage	V _{BR}	5	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	T _{stg}	- 65 to + 200	°C

Thermal Characteristics

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

Characteristics at Ta = 25 °C unless otherwise noted

Parameter	Symbol	Min.	Тур.	Max.	Unit
Breakdown Voltage at I _R = 1 μA	V _{BR}	5	-	-	V
Nominal Capacitance at V _R = 4 V, f = 1 MHz	С	5	-	20	pF
Capacitance Ratio at $V_R = 0.1 V$, f = 1 MHz (C0.1) at $V_R = 4 V$, f = 1 MHz (C4)	<u>C0.1</u> C4	-	1.8	-	-
Figure Of Merit at f = 100 MHz	Q	100	-	-	-



Electrical Characteristics Curves



FIGURE OF MERIT

f-FREQUENCY-MHz



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FIGURE OF MERIT VERSUS REVERSE VOLTAGE



REVERSE VOLTAGE-V