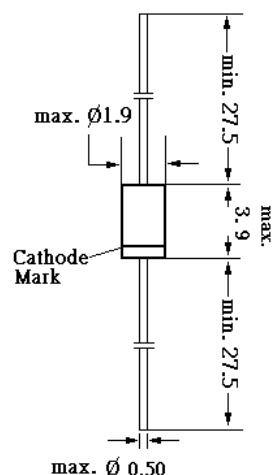


FV 1043

TUNER AFC DIODE

AFC Diode

The FV 1043 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.



Glass case JEDEC DO-35

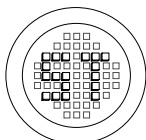
Dimensions in mm

Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

	Symbol	Value	Unit
Breakdown Voltage	BV	5	Volts
Forward Current	I_F	250	mA
Power Dissipation	P_D	350	mW
Operating Temperature	T_A	-65 to +175	$^{\circ}\text{C}$
Storage Temperature Range	T_S	-65 to +200	$^{\circ}\text{C}$

Characteristics at $T_A = 25^{\circ}\text{C}$ unless otherwise noted

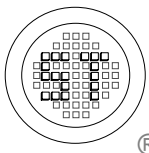
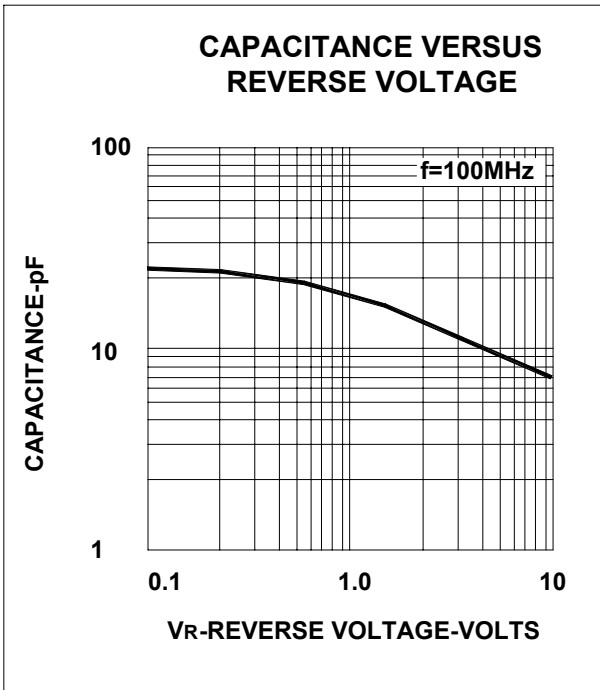
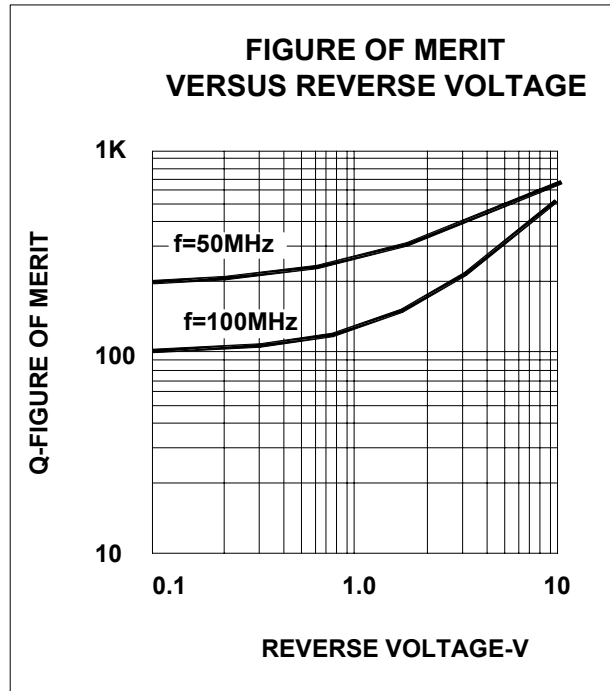
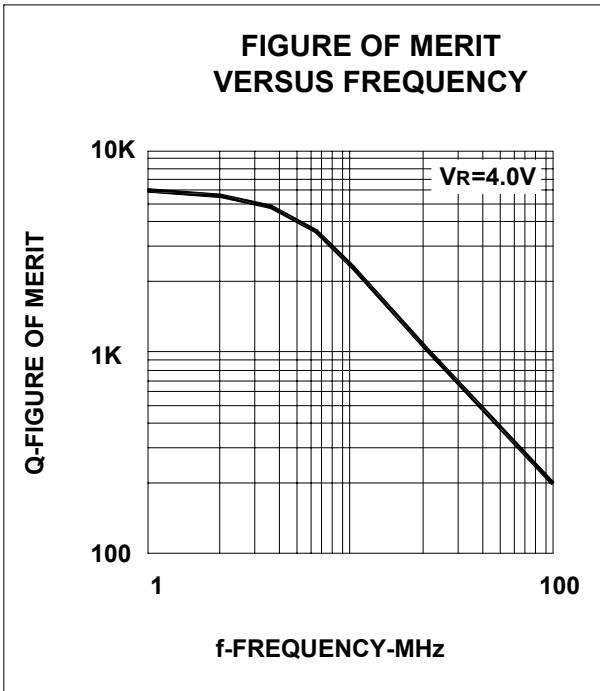
Parameter	Test conditions	Min.	Typ.	Max.	Unit
BV	$I_R = 1\mu\text{A}$	5	-	-	Volts
Nominal Capacitance	$V_R = 4\text{V}$, $f = 1.0\text{MHz}$	5	-	20	pF
<u>C 0.1</u>	$V_R = 0.1\text{V}$, $f = 1.0\text{MHz}$ (C 0.1)	-	1.8	-	-
C4	$V_R = 4\text{V}$, $f = 1.0\text{MHz}$ (C 4)	-	-	-	-
Q	$f = 100\text{MHz}$	100	-	-	-



®

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(Subsidiary of Semtech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)

