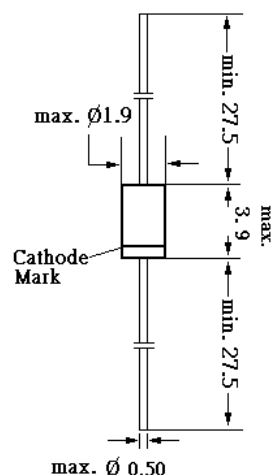


# FV 1043

## 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

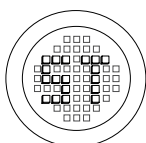
Dimensions in mm

### 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

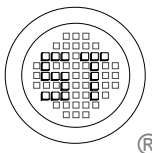
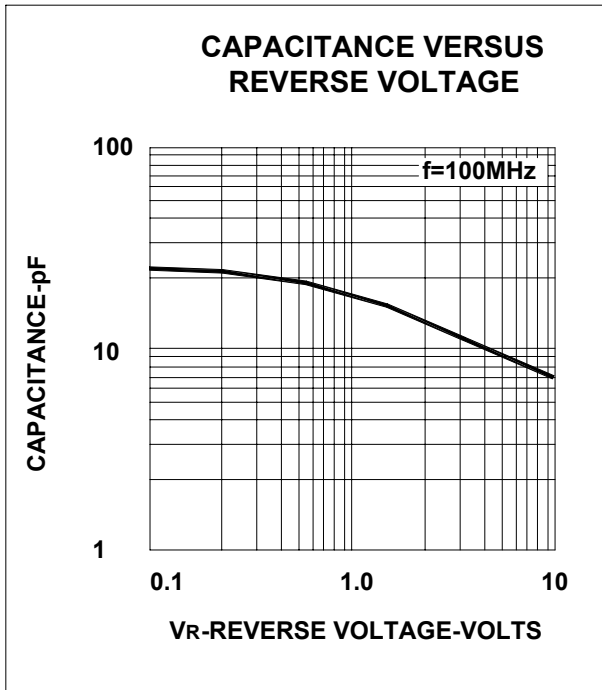
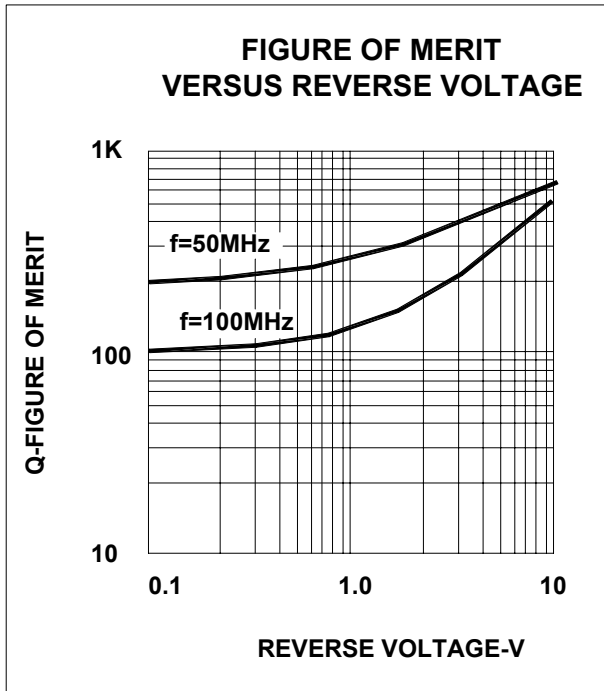
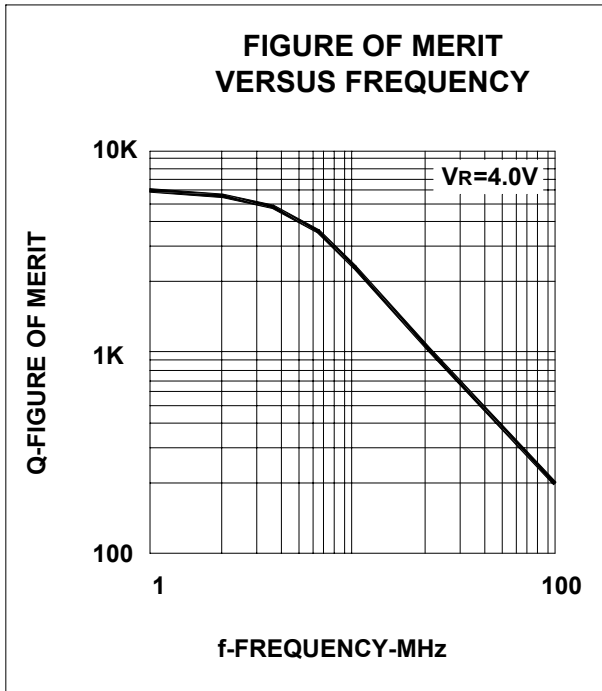
Parameter	Test conditions	Min.	Typ.	Max.	Unit
BV	$I_R = 1\mu\text{A}$	5	-	-	Volts
Nominal Capacitance	$V_R = 4\text{V}$ , $f = 1.0\text{MHz}$	5	-	20	pF
<u>C 0.1</u>	$V_R = 0.1\text{V}$ , $f = 1.0\text{MHz}$ (C 0.1)	-	1.8	-	-
C4	$V_R = 4\text{V}$ , $f = 1.0\text{MHz}$ (C 4)	-	-	-	-
Q	$f = 100\text{MHz}$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



®

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## SEMTECH ELECTRONICS LTD.

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



ISO/TS 16949 : 2002  
Certificate No. 05103



ISO 14001  
Certificate No. 7116



ISO 9001 : 2000  
Certificate No. 550-159-04-002-04