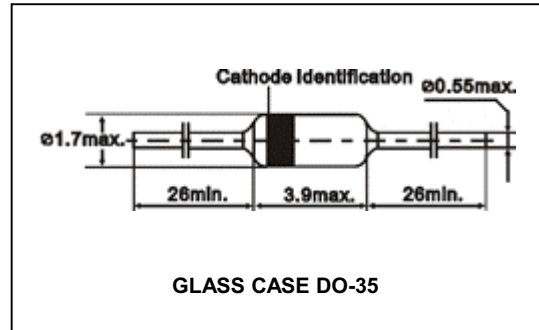




## FV1043 TUNER AFC DIODE

### 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.



### Absolute Maximum Ratings

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

### ELECTRICAL SPECIFICATIONS ( $T_A=25^{\circ}\text{C}$ unless otherwise noted.)

PARAMETER	MIN.	TYP.	MX.	UNITS	TEST CONDITIONS
BV	5	-	-	Volts	$I_R=1\text{ }\mu\text{A}$
Nominal Capacitance	5	-	20	PF	$V_R=4.0\text{V}$ , $f=1.0\text{MHz}$
$\frac{C\ 0.1}{C4}$	-	1.8	-	-	$V_R=0.1\text{V}$ , $f=1.0\text{MHz}$ (C0.1) $V_R=4.0\text{V}$ , $f=1.0\text{MHz}$ (C4)
Q	100	-	-	-	$f=100\text{MHz}$