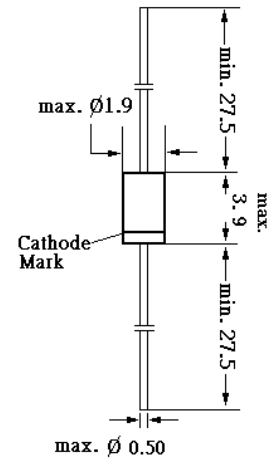


1S2638

TUNER AFC DIODE

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.



Glass case JEDEC DO-35

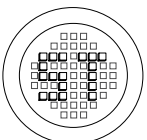
Dimensions in mm

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

	Symbol	Value	Unit
Breakdown Voltage	BV	10	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

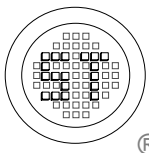
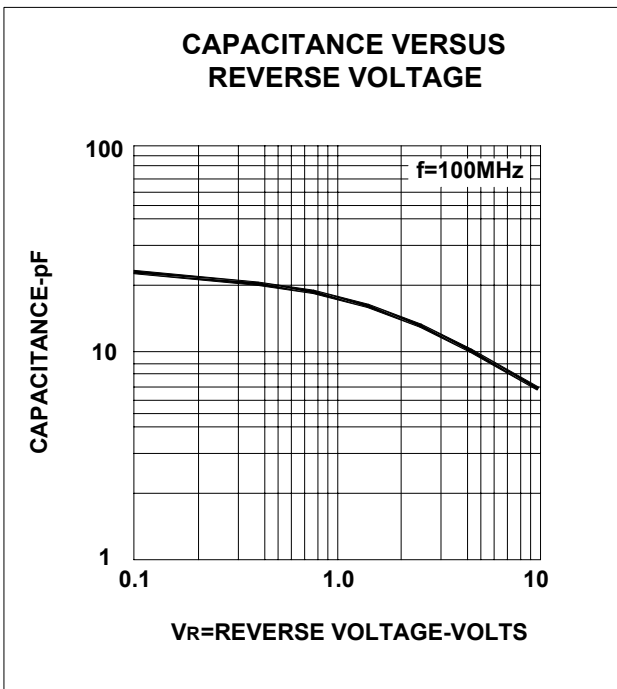
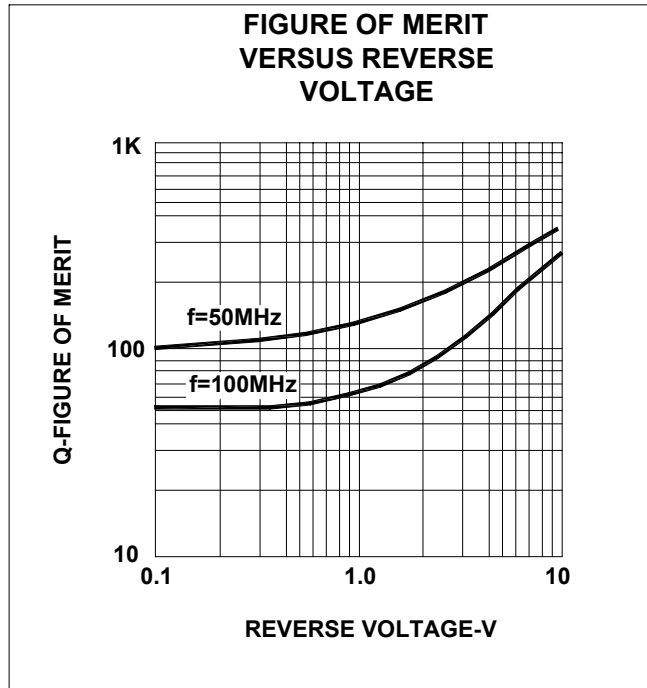
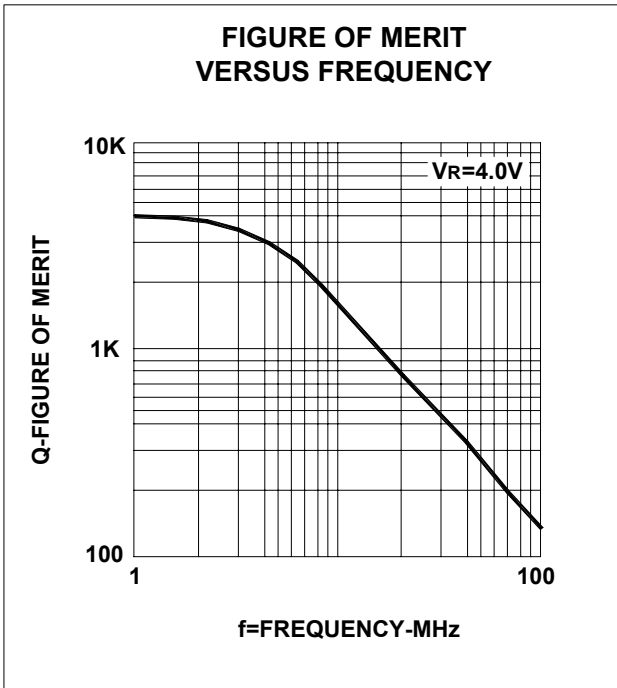
Parameter	Test conditions	Min.	Typ.	Max.	Unit
I_R	$V_R = 10\text{V}$	-	-	5	μA
Nominal Capacitance	$V_R = 4\text{V}$, $f = 1\text{MHz}$	5	10	20	pF
Q	$V_R = 4\text{V}$, $f = 100\text{MHz}$	50	-	-	-



®

РАДИОТЕХ

Тел.: (495) 795-0805
Факс: (495) 234-1603
Эл. почта: info@rct.ru
Веб: www.rct.ru



SEMTECH ELECTRONICS LTD.

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