1N60P. 1N60S

POINT CONTACT GERMANIUM DIODES

GROWCHILD ELECTRONICS™

REVERSE VOLTAGE: **45 VOLTS**

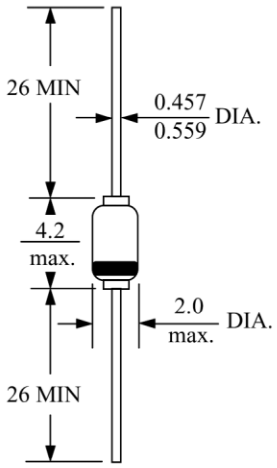
FORWARD CURRENT: **50 mAMPERE**

http://www.njzrg.com

FEATURES

1N60 is a point contact diodes employing N-from Germanium and gives an efficient and excellent linearity when uesd in TV image detection, FM detection, radio, AM detection, etc.

DO-35



imensions in inches and (millimeter

MECHANICAL DATA

Case: Molded glass DO-35

Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed

Polarity: Color band denotes cathode end

Mounting position: Any

Weight: approx. 0.13 g

Absolute Maximum Ratings

Tamb = 25 °C, unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	45	Volts
Reverse Voltage DC	V_R	20	Volts
Peak Forward Current	I_{FM}	150	mAmp
Average Rectified Output Current	I_O	50	mAmp
Surge Forward Current	I_{surge}	500	mAmp
Junction Temperature	T_J	75	℃
Storage Temperature Range	Tstg	-55 to +175	℃

Characteristics

Parameter	Symbol	Test Condition(Ta=25±2℃)	Min.	Typ.	Max.	Unit
Forward Current	I_F	VF=1V	4	-	-	mA
Reverse Current 1N60P	I_R	VR=10V	-	-	50	μA
1N60S	I_R	VR=10V	-	-	100	μA
Junction Capacitance	C_j	f=1MHZ,V=-1V	-	-	1	pF
Rectification Efficiency	η	Vi=2Vrms, R=5KΩ C=20PF, f=40MHZ	55	-	-	%

Pair ΔI_F<6mA at 1V, ΔI_R<20uA at 10V

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RATINGS AND CHARACTERISTIC CURVES

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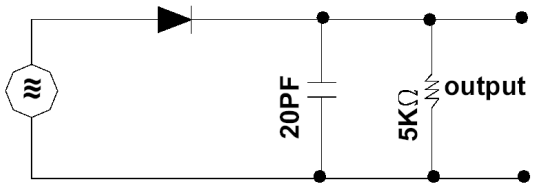
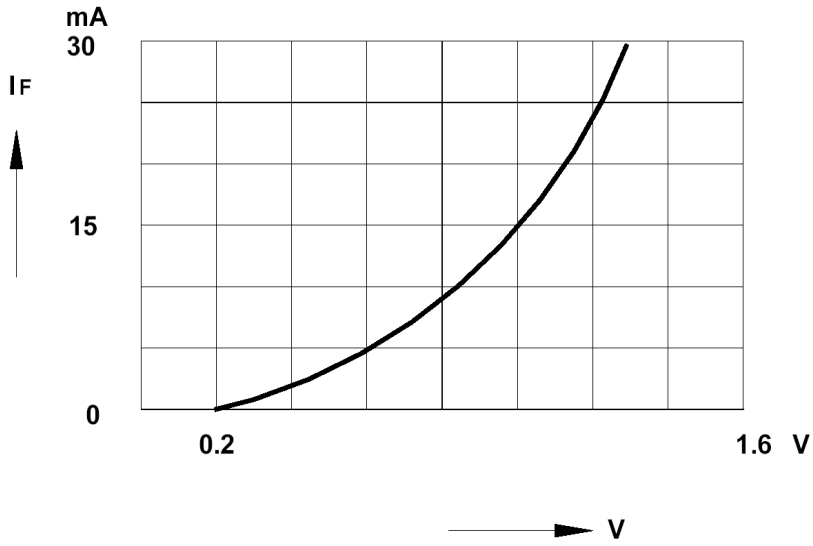


Input 2Vrms

Rectification Efficiency Measurement Circuit

Forward Characteristics



Reverse Characteristics