

1N60P/1N60S

POINT CONTACT GERMANIUM DIODES

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1N60P. 1N60S



康比電子
HORNBY ELECTRONIC

POINT CONTACT GERMANIUM DIODES

REVERSE VOLTAGE: 45 VOLTS

FORWARD CURRENT: 50 mAMPERE

FEATURES

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

MECHANICAL DATA

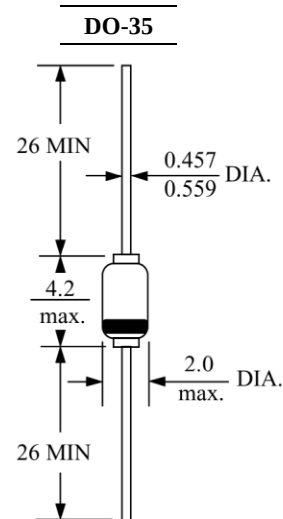
Case: Molded glass DO-35

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



Dimensions in inches and (millimeter)

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($T_a=25\pm2$)	Min.	Typ.	Max.	Unit
Forward Current	I_F	$V_F=1V$	4	-	-	mA
Reverse Current 1N60P	I_R	$V_R=10V$	-	-	50	μA
1N60S	I_R	$V_R=10V$	-	-	100	μA
Junction Capacitance	C_j	$f=1MHz, V=-1V$	-	-	1	pF
Rectification Efficiency	η	$V_i=2V_{rms}, R=5K\Omega$ $C=20PF, f=40MHZ$	55	-	-	%

Pair $I_F < 6mA$ at 1V, $I_R < 20\mu A$ at 10V

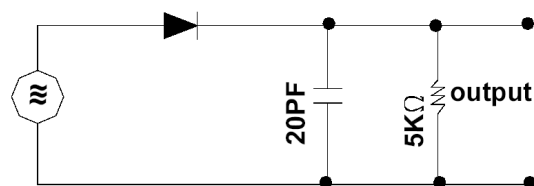
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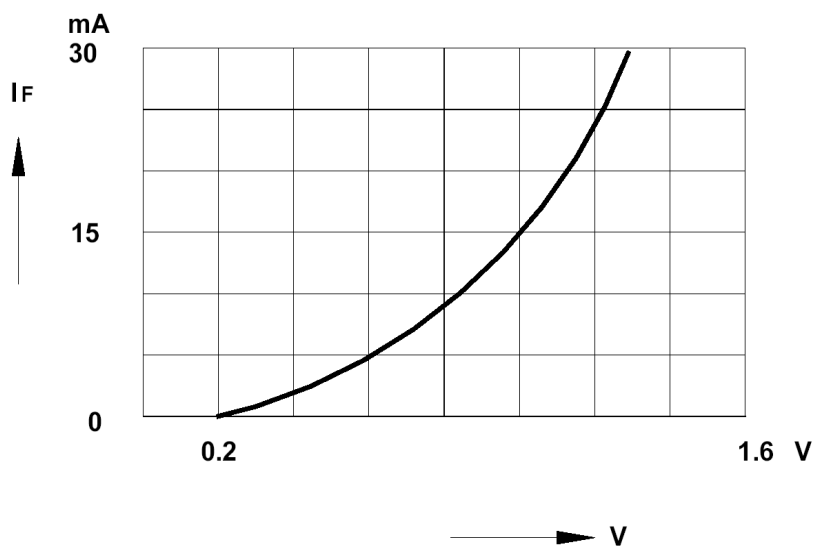
RATINGS AND CHARACTERISTIC CURVES



Input 2Vrms

Rectification Efficiency Measurement Circuit

Forward Characteristics



Reverse Characteristics

