

1N60PW, 1N60SW

Gold Wire Bonding Diode

PINNING

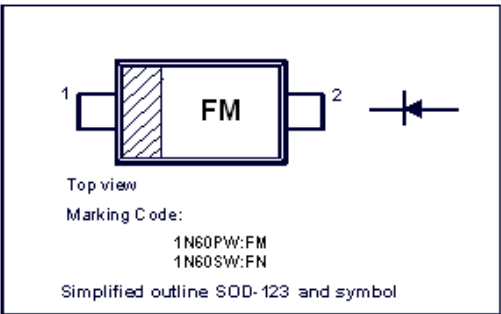
PIN	DESCRIPTION
1	Cathode
2	Anode

FEATURES

- High Voltage
- Low Forward Voltage

APPLICATIONS

- For electronic calculator, etc.



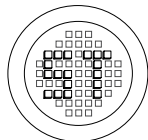
Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	60	V
Reverse Voltage dc	V_R	20	V
Peak Forward Current	I_{FM}	150	mA
Average Rectified Output Current	I_O	50	mA
Surge Forward Current	I_{surge}	500	mA
Junction Temperature	T_j	75	$^{\circ}\text{C}$
Storage Temperature Range	T_S	-55 to +175	$^{\circ}\text{C}$

Characteristics

	Symbol	Test condition($T_a 25 \pm 2^{\circ}\text{C}$)	Min.	Typ.	Max.	Unit
Forward Current	I_F	$V_F = 1\text{V}$	4	-	-	mA
Reverse Current	I_R	$V_R = 10\text{V}$	-	-	50	μA
	I_R	$V_R = 10\text{V}$	-	-	100	μA
Reverse Voltage	V_R	$I_R = 100 \mu\text{A}$	45	-	-	V
Junction Capacitance	-	$f = 1\text{MHz}, V = -1\text{V}$	-	-	1	pF
Rectification efficiency	η	$V_i = 2\text{Vrms}, R = 5\text{K}\Omega$ $C = 20\text{PF}, f = 40\text{MHz}$	55	-	-	%

Pair ? $I_F \leq 6\text{mA}$ at 1V, ? $I_R \leq 20\mu\text{A}$ at 10V



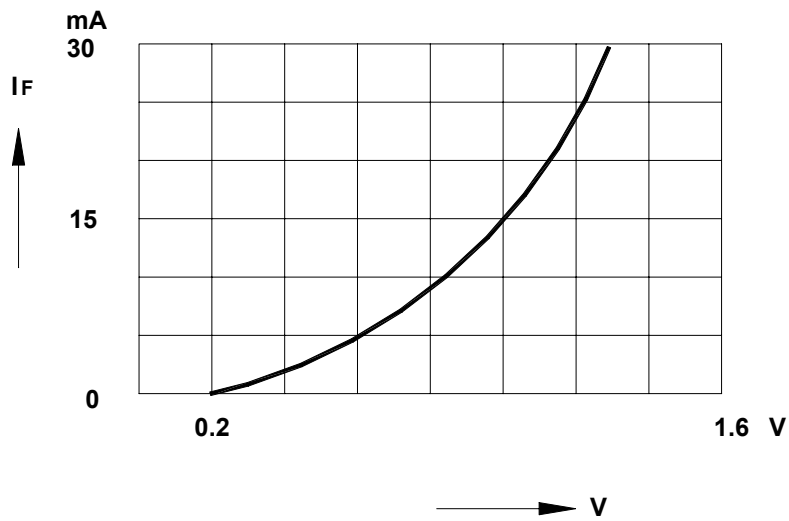
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РАДИОТЕХ

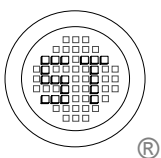
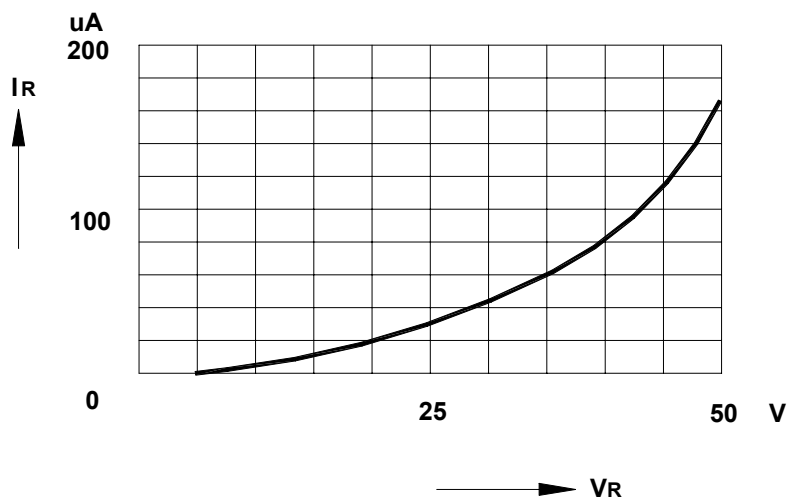
Тел.: (495) 795-0805
Факс: (495) 234-1603
Эл. почта: info@rct.ru
Веб: www.rct.ru

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Forward Characteristics

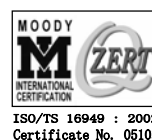


Reverse Characteristics



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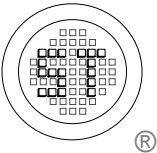
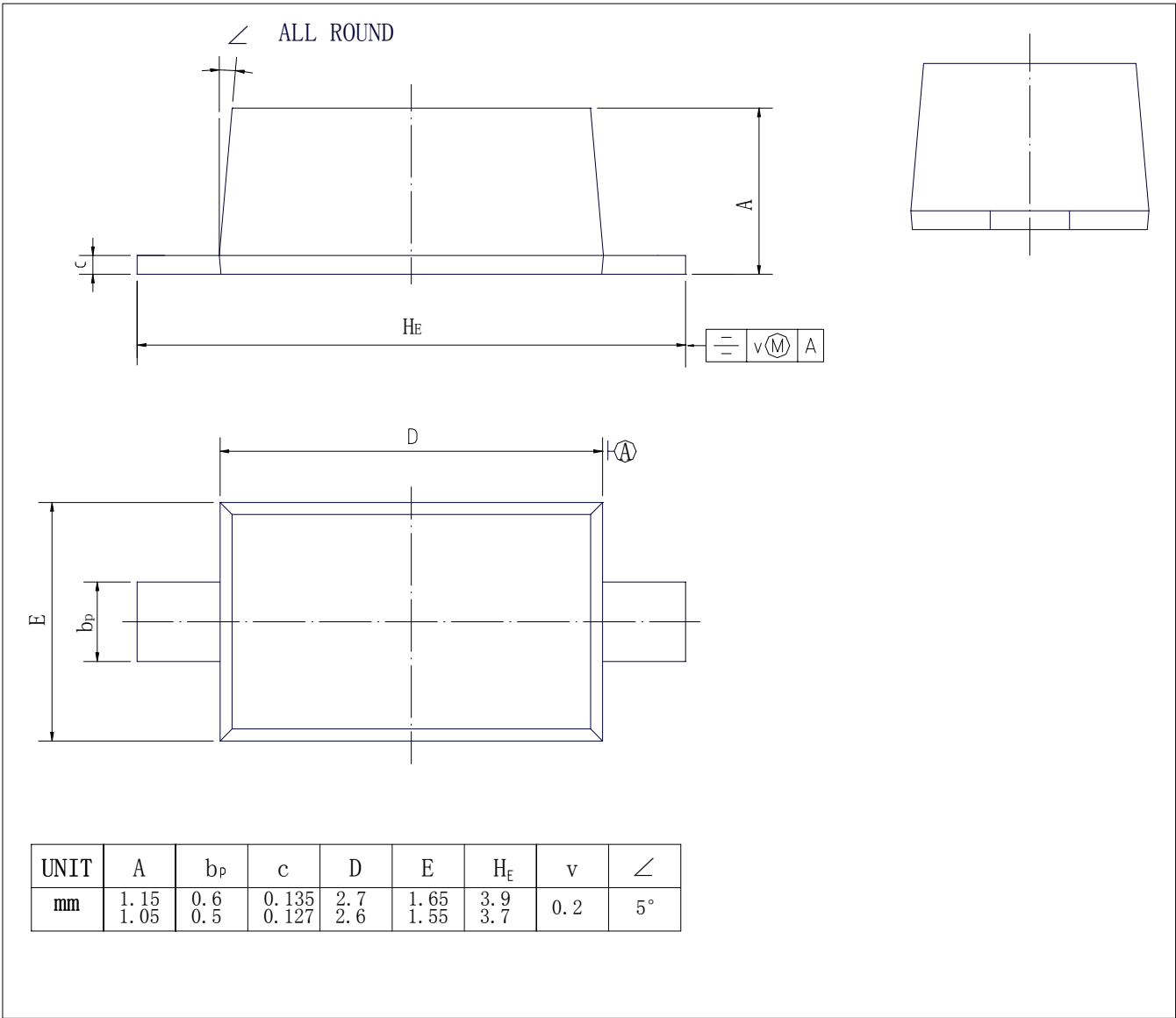
Dated : 28/05/2005

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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



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