

Diodes

Silicon RF switching diodes

Glass package DO 35

Type	Characteristics ($T_A = 25^\circ\text{C}$)					Applications	Figure
	V_R V	$C_T (f = 1 \text{ MHz})$ pF	V_R V	$r_f (f = 100 \text{ MHz})$ Ω	I_F mA		
BA 243	35	1.3 (≤ 2)	15	0.5 (≤ 1)	10	VHF tuners	10
BA 243 S	35	≤ 1.5	5	≤ 0.7			
BA 244	35	1.3 (≤ 2)	15	0.4 (≤ 0.5)			
BA 244 S	35	≤ 1.5	5	≤ 0.5			
BA 282	35	≤ 1.2	3	≤ 0.5			
BA 283	35	≤ 1	3	≤ 0.9			
BA 284	35	0.8 (≤ 1)	20	0.45 (≤ 0.6)			

Silicon PIN diode

Glass package DO 35

Type	Characteristics ($T_A = 25^\circ\text{C}$)					Applications	Figure
	V_R V	$C_T (f = 100 \text{ MHz})$ pF	V_R V	$r_f (f = 100 \text{ MHz})$ Ω	I_F mA		
BA 389	30	0.35	0	5 (≤ 7.5)	10	FM Car radio	10

DO 35 DHD

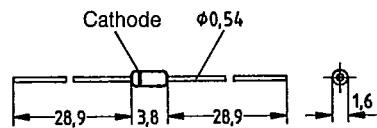


Figure 10

Diodes

Silicon RF switching diodes

SMD

Miniature glass package SOD 80

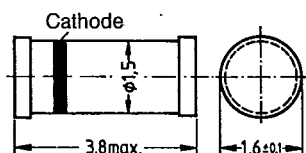
Type	Characteristics ($T_A = 25^\circ\text{C}$)					Applications	Figure
	V_R	$C_T (f = 1 \text{ MHz})$	V_R	$r_i (f = 100 \text{ MHz})$	I_i		
	V	pF	V	Ω	mA		
▼ BA 682	35	≤ 1.2	3	≤ 0.5	10	VHF tuners	11
▼ BA 683	35	≤ 1.0	3	≤ 0.9	10		

Silicon PIN diode

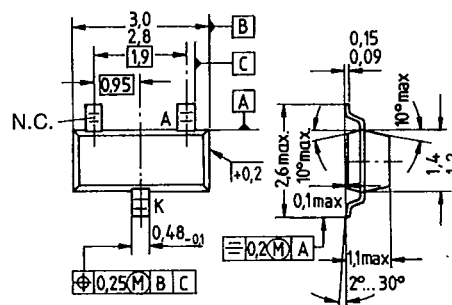
Plastic package SOT 23

Type	Characteristics ($T_A = 25^\circ\text{C}$)					Applications	Figure
	V_R	$C_T (f = 100 \text{ MHz})$	V_R	$r_i (f = 100 \text{ MHz})$	I_F		
	V	pF	V	Ω	mA		
▼ BA 885	50	0.23	0	$5 (\leq 7)$	10	Indoor unit (TV SAT)	12

SOD 80

**Figure 11**

SOT 23

**Figure 12**