

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	$\leq 1.3 (\leq 2)$	15	$0.5 (\leq 1)$	10	VHF tuners	10
BA 243 S	35	≤ 1.5	5	≤ 0.7			
BA 244	35	$1.3 (\leq 2)$	15	$0.4 (\leq 0.5)$			
BA 244 S	35	≤ 1.5	5	≤ 0.5			
BA 282	35	≤ 1.2	3	≤ 0.5	10	VHF tuners	10
BA 283	35	≤ 1	3	≤ 0.9			
BA 284	35	$0.8 (\leq 1)$	20	$0.45 (\leq 0.6)$			

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	$5 (\leq 7.5)$	10	FM Car radio	10

DO 35 DHD

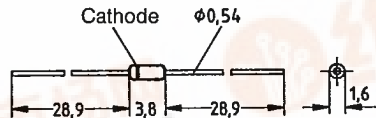


Figure 10

Diodes

Silicon RF switching diodes

SMD

Miniature glass package SOD 80

Type	Characteristics ($T_A = 25^\circ\text{C}$)					Applications	Figure
	V_R V	$C_T (f = 1 \text{ MHz})$ pF	V_R V	$r_i (f = 100 \text{ MHz})$ Ω	I_f 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 V	$C_T (f = 100 \text{ MHz})$ pF	V_R V	$r_i (f = 100 \text{ MHz})$ Ω	I_F mA		
▼ BA 885	50	0.23	0	$5 (\leq 7)$	10	Indoor unit (TV SAT)	12

SOD 80

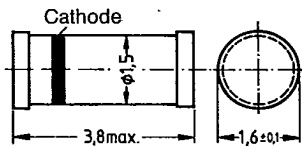


Figure 11

SOT 23

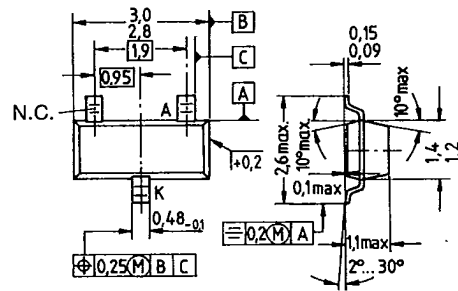


Figure 12