



T-07-15

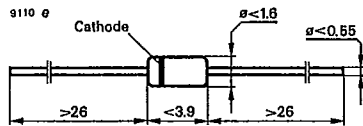
**Silicon Planar Diodes**

**Applications:** Band selector in VHF-tuners

**Features:**

- Low differential forward resistance in VHF-range
- Low diode capacitance

**Dimensions in mm**



Standard glass case  
54 A 2 DIN 41 880  
JEDEC DO 35  
Weight max. 0.15 g

**Marking:** By letters

**Absolute maximum ratings**

Reverse voltage	$V_R$	20	V
Forward current	$I_F$	100	mA
Junction temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	- 55 ... + 150	°C

**Maximum thermal resistance**

Junction ambient $l = 4 \text{ mm}, T_L = \text{constant}$	$R_{thJA}$	350	K/W
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**Characteristics**

		Min.	Typ.	Max.	
$T_J = 25 \text{ °C}$					
Forward voltage $I_F = 100 \text{ mA}$	$V_F$			1	V
Reverse current $V_R = 15 \text{ V}$	$I_R$			100	nA
Diode capacitance $V_R = 15 \text{ V}, f = 100 \text{ MHz}$	$C_D$		1.3	2	pF
Series inductance	$L_s$			2.5	nH
Differential forward resistance $I_F = 10 \text{ mA}, f = 200 \text{ MHz}$					
	BA 243 $r_f$		0.7	1	Ω
	BA 244 $r_f$		0.4	0.5	Ω