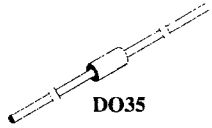




SOT23



SOD80



DO35



QuadroMELF

Small-Signal Dual Diodes in SOT23 Package

Part Number		Electrical Characteristics									
		V_{RRM}	I_{FRM}	I_R at V_R		V_F at I_F		t_{RR} at I_F		I_R and i_R	
		V	mA	μA	V	V	mA	ns	mA	mA	mA
BAV70	Common cathode	70	450	< 2.5	70	< 1	50	< 6	10	10	1
BAV99	Connected in series	70	450	< 2.5	70	< 1	50	< 6	10	10	1
BAW56	Common anode	70	450	< 2.5	70	< 1	50	< 6	10	10	1

PIN Diodes

Part Number	Electrical Characteristics													Package
	V_R	I_F	V_F at I_F		I_R at V_R		C_D at f $V_R = 0$		r_f at I_F		Z_T at V_R and f			
	V	mA	V	mA	μA	V	pF	MHz	Ω	mA	k Ω	V	MHz	
BA479G	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 5	0	100	DO35
BA479S	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 9	0	100	DO35
BA679	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 5	0	100	SOD80
BA679S	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 9	0	100	SOD80
BA779	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 5	0	100	SOT23
BA779S	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 9	0	100	SOT23
BA779-2 ¹⁾	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 5	0	100	SOT23
BA979	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 5	0	100	Quadro-MELF
BA979S	30	50	< 1	20	< 0.05	30	< 0.5	100	< 50	1.5	> 9	0	100	Quadro-MELF

1) Dual diode

Varactor Diodes

Part Number	Group	Electrical Characteristics											Package
		V_R	$\frac{C_{Dmin}}{C_{Dmax}}$ at V_R		$\frac{C_{D1}}{C_{D2}}$ at $\frac{V_{R1}}{V_{R2}}$		r_s at V_R or C_D			Q at V_R or C_D			
		V	pF	V	V/V	Ω	V	pF		V	pF		
BB804	1)	20	$\frac{42}{47.5}$	2	$\frac{1.65}{1.75}$	$\frac{2}{8}$	0.3	-	38	150	-	38	SOT23
BB814	2)	20	$\frac{43}{46.5}$	2	$\frac{2.05}{2.25}$	$\frac{2}{8}$	0.3	-	38	150	-	38	SOT23
BB824	2)	20	$\frac{42.5}{45.0}$	2	$\frac{2.25}{2.45}$	$\frac{2}{8}$	< 0.5	2	-	> 100	2	-	SOT23

1) Capacitance groups available on request. A packing unit contains diodes from one capacitance group only.

2) Capacitance deviation for 4 diodes taped in sequence is max 3%.