

Microwave, RF & Tuner Diodes

For complete package outlines, refer to pages PO-1 through PO-6

RF Diodes Schottky Diodes For Professional Applications

T-03-09

Medium Barrier

Type	Frequency Band GHz	Maximum Ratings		Characteristics ($T_A=25^\circ\text{C}$)						Case		
		V_R V	I_F mA	F_{SSB} (typ) dB	V_{BR} (min) V	C_T (typ) pF	C_T (max) pF	V_F (typ) V	r_f (typ) Ω	Style	Lead Code	SOT Equiv.
BAT14-014	....4.0 (S)	3	100	5.5 (3.0 GHz)	3	0.25	0.35	0.42	3.0	T1	38	-
BAT14-016	....4.0 (S)	3	100	5.5 (3.0 GHz)	3	0.25	0.35	0.42	3.0	DO35	38	-
BAT14-034	....4.0 (S)	3	100	6.5 (3.0 GHz)	3	0.25	0.35	0.42	4.0	T1	38	-
BAT14-036	....4.0 (S)	3	100	6.5 (3.0 GHz)	3	0.25	0.35	0.42	4.0	DO35	38	-
BAT14-044	....8.0 (C)	3	100	5.5 (6.0 GHz)	3	0.20	0.25	0.43	3.5	T1	38	-
BAT14-064	....8.0 (C)	3	100	6.5 (6.0 GHz)	3	0.20	0.25	0.43	4.5	T1	38	-
BAT14-074	...12.0 (X)	3	50	5.5 (9.3 GHz)	3	0.17	0.20	0.44	4.5	T1	38	-
BAT14-094	...12.0 (X)	3	50	6.5 (9.3 GHz)	3	0.17	0.20	0.44	5.5	T1	38	-
BAT14-104	...18.0 (Ku)	3	50	6.0 (16.0 GHz)	3	0.13	0.15	0.46	5.5	T1	38	-
BAT14-114	...18.0 (Ku)	3	50	7.0 (16.0 GHz)	3	0.13	0.15	0.46	7.0	T1	38	-
BAT14-124	...40.0 (Ka)	3	50	9.0 (16.0 GHz)	3	0.10	0.12	0.47	8.0	T1	38	-

Low Barrier

Type	Frequency Band GHz	Maximum Ratings		Characteristics ($T_A=25^\circ\text{C}$)						Case		
		V_R V	I_F mA	F_{SSB} (typ) dB	V_{BR} (min) V	C_T (typ) pF	C_T (max) pF	V_F (typ) V	r_f (typ) Ω	Style	Lead Code	SOT Equiv.
BAT15-014	....4.0 (S)	3	100	5.5 (3 GHz)	3	0.25	0.35	0.26	3.0	T1	38	-
BAT15-044	....8.0 (C)	3	100	5.5 (6 GHz)	3	0.20	0.25	0.28	3.5	T1	38	-
BAT15-074	...12.4 (X)	3	50	5.5 (9.3 GHz)	3	0.17	0.20	0.29	4.5	T1	38	-
BAT15-104	...18.0 (Ku)	3	50	6.0 (16 GHz)	3	0.13	0.15	0.30	5.5	T1	38	-
BAT15-124	...40.0 (Ka)	3	50	9.0 (16 GHz)	3	0.10	0.12	0.31	8.0	T1	38	-
BAT15-016	....4.0 (S)	3	100	5.5 (3 GHz)	3	0.25	0.35	0.26	3.0	DO35	38	-
BAT15-036	....4.0 (S)	3	100	6.5 (3 GHz)	3	0.25	0.35	0.26	4.0	DO35	38	-

Replacement for Germanium Diodes

Type	Maximum Ratings		Characteristics ($T_A=25^\circ\text{C}$)				Case		
	V_R V	I_F mA	V_{BR} (min) V	V_F (max) V	C_T (max) pF	r_f (typ) k Ω	Style	Lead Code	SOT Equiv.
BAT16-046	40	30	40	0.7	0.4	200	DO35	38	BAT62