Microwave, RF & Tuner Diodes

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

Beam Lead Technology in Ceramic Package
Medium Barrier

Type	Frequency Band	Maximum Ratings		Characteristics (T_A=25°C)						Case		
	GHz	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.
BAT14-022 R	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.33	0.38	0.45	3.5	50 mil	57	-
BAT14-025 S	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.36	0.41	0.45	3.5	Cerec-X	38	-
BAT14-025 D	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.37	0.42	0.45	3.5	Cerec-X	56	-
BAT14-025 R	.....4.0 (C)	4	100	6.0 (3.0 GHz)	4	0.37	0.42	0.45	3.5	Cerec-X	57	-
BAT14-052 R	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.23	0.28	0.47	4.0	50 mil	57	-
BAT14-055 S	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.26	0.31	0.47	4.0	Cerec-X	38	-
BAT14-055 D	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.27	0.32	0.47	4.0	Cerec-X	56	-
BAT14-055 R	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.27	0.32	0.47	4.0	Cerec-X	57	-
BAT14-092 R	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.17	0.18	0.49	7.0	50 mil	57	-
BAT14-095 S	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.20	0.21	0.49	7.0	Cerec-X	38	BAT14-098
BAT14-095 D	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.21	0.22	0.49	7.0	Cerec-X	56	BAT14-099
BAT14-095 R	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.21	0.22	0.49	7.0	Cerec-X	57	BAT14-099R
BAT14-112 R	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.13	0.15	0.50	10.0	50 mil	57	-
BAT14-115 S	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.16	0.18	0.50	10.0	Cerec-X	38	-
BAT14-115 D	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.17	0.19	0.50	10.0	Cerec-X	56	-
BAT14-115 R	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.17	0.19	0.50	10.0	Cerec-X	57	-

Low Barrier

Type	Frequency Band	Maximum Ratings		Characteristics (T_A=25°C)						Case		
	GHz	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.
BAT15-022 R	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.33	0.38	0.26	3.5	50 mil	57	-
BAT15-025 S	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.36	0.41	0.26	3.5	Cerec-X	38	-
BAT15-025 D	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.37	0.42	0.26	3.5	Cerec-X	56	-
BAT15-025 R	.....4.0 (S)	4	100	6.0 (3.0 GHz)	4	0.37	0.42	0.26	3.5	Cerec-X	57	-
BAT15-052 R	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.23	0.28	0.28	4.0	50 mil	57	-
BAT15-055 S	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.26	0.31	0.28	4.0	Cerec-X	38	-
BAT15-055 D	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.27	0.32	0.28	4.0	Cerec-X	56	-
BAT15-055 R	.....8.0 (C)	4	100	6.5 (6.0 GHz)	4	0.27	0.32	0.28	4.0	Cerec-X	57	-
BAT15-092 R	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.17	0.18	0.30	7.0	50 mil	57	-
BAT15-095 S	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.20	0.21	0.30	7.0	Cerec-X	38	BAT15-098
BAT15-095 D	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.21	0.22	0.30	7.0	Cerec-X	56	BAT15-099
BAT15-095 R	...18.0 (X,Ku)	4	50	6.5 (9.3 GHz)	4	0.21	0.22	0.30	7.0	Cerec-X	57	BAT15-099R
BAT15-112 R	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.13	0.15	0.31	10.0	50 mil	57	-
BAT15-115 S	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.16	0.18	0.31	10.0	Cerec-X	38	-
BAT15-115 D	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.17	0.19	0.31	10.0	Cerec-X	56	-
BAT15-115 R	...40.0 (Ka)	4	50	7.0 (16.0 GHz)	4	0.17	0.19	0.31	10.0	Cerec-X	57	-

Zero Bias

Type	Frequency Band	Maximum Ratings		Characteristics (T_A=25°C)					Case		
	GHz	V_R V	I_F mA	$V_{BR\ (min)}$ V	$C_{T\ (typ)}$ pF	$C_{T\ (max)}$ pF	$V_{F\ (typ)}$	$r_{f\ (typ)}$ V k Ω	Style	Lead Code	SOT Equiv.
BAT32	...18.0 (X,Ku)	6.5	50	6.5	0.20	0.24	0.20	15	Cerec-X	38	-