



Semelab

R.F. Division

Device Type	Power Watts	Working Voltage	V _{DSS} Volts	I _D Amps	Working Freq.	Min. Gain	VSWR	Package Type	Configuration	Application
BFM12	4	28	70	5	200MHz	13db	20:1	D plas	SINGLE ENDED	Low Cost-DC to 200MHz
BFM21	0.75	28	65	0.2	2.5GHz	11db	10:1	SOT223	SINGLE ENDED	Low Cost-DC to 2.5GHz
BFM22	0.75	12	40	0.2	2.5GHz	11db	10:1	SOT223	SINGLE ENDED	Low Cost-DC to 2.5GHz
BFM23	4	28	65	1	2GHz	13db	20:1	PIL	SINGLE ENDED	DC to 2 GHz
BFM32 *	40	28	65	1.6	1GHz	13db	20:1	DK		DC to 1GHz
BFM33 *	80	28	65	2	1GHz	13db	20:1	DH		DC to 1GHz
BFM34 *	100	28	65	3	1GHz	13db	20:1	DR		DC to 1GHz
BFM35 *	120	28	65	4	0.8GHz	13db	20:1	DR		DC to 0.8GHz
D1001UK	20	28	70	5	175MHZ	16db	20:1	DA	SINGLE ENDED	1MHz to 175MHz
D1002UK	40	28	70	10	175MHZ	16db	20:1	DA	SINGLE ENDED	1MHz to 175MHz
D1003UK	60	28	70	15	100MHz	16db	20:1	DM	SINGLE ENDED	1MHz to 175MHz
D1004UK	80	28	70	20	175MHz	16db	20:1	DT	SINGLE ENDED	1MHz to 175MHz
D1005UK	80	28	70	20	175MHz	16db	20:1	DM	SINGLE ENDED	1MHz to 175MHz
D1006UK	120	28	70	30	175MHz	16db	20:1	DV	SINGLE ENDED	1MHz to 200MHz
D1007UK	20	28	70	5	500MHz	13db	20:1	DK	PUSH PULL	1MHz to 1GHz
D1008UK	40	28	70	10	500MHz	13db	20:1	DK	PUSH PULL	1MHz to 500MHz
D1009UK	150	28	70	20	500MHz	8db	20:1	DR	PUSH PULL	1MHz to 500MHz
D1010UK	125	28	70	20	400MHz	8db	20:1	DR	PUSH PULL	1MHz to 400MHz
D1012UK	100	28	70	15	500MHz	10db	20:1	DR	PUSH PULL	1MHz to 500MHz
D1013UK	10	28	70	5	500MHz	13db	20:1	DP	SINGLE ENDED	1MHz to 1GHz
D1014UK	20	28	70	10	400MHz	12db	20:1	DP	SINGLE ENDED	1MHz to 400MHz
D1015UK	125	28	70	20	400MHz	13db	20:1	DH	PUSH PULL	1MHz to 400MHz
D1016UK	20	28	70	5	500MHz	13db	20:1	DQ	PUSH PULL	1MHz to 1GHz
D1018UK	100	28	70	15	500MHz	10db	20:1	DD	PUSH PULL	1MHz to 500MHz
D1020UK	150	28	70	20	400MHz	10db	20:1	DR	PUSH PULL	1MHz to 400MHz
D1021UK	125	28	70	20	400MHz	13db	20:1	DK	PUSH PULL	1MHz to 400MHz
D1022UK	100	28	70	15	500MHz	10db	20:1	DK	PUSH PULL	1MHz to 500MHz
D1027UK	150	28	70	30	200MHz	13db	20:1	DR	PUSH PULL	1MHz to 200MHz
D1053UK	50	28	70	5	1GHz	7.5db	20:1	DB	PUSH PULL	400MHz to 1GHz
D1201UK	10	12.5	40	10	1GHz	10db	20:1	DP	SINGLE ENDED	1MHz to 1GHz
D1208UK	40	12.5	40	20	500MHz	10db	20:1	DK	PUSH PULL	1MHz to 500MHz
D1210UK	10	12.5	40	8	175MHz	10db	20:1	DA	SINGLE ENDED	1MHz to 175MHz
D1260UK	60	12.5	40	40	175MHz	10db	20:1	DT	PUSH PULL	1MHz to 175MHz
D2001UK	2.5	28	70	1	1GHz	13db	20:1	DP	SINGLE ENDED	DC-2GHz
D2002UK	5	28	65	2	2GHz	13db	20:1	DP	SINGLE ENDED	DC-2GHz
D2003UK	5	28	70	1	1GHz	13db	20:1	DQ	PUSH PULL	DC-2GHz
D2004UK	8	28	70	2	1GHz	13db	20:1	DK	PUSH PULL	DC-2GHz
D2012UK	10	28	70	4	1GHz	10db	20:1	DP	SINGLE ENDED	50MHz-1GHz
D2013UK	20	28	65	4	1GHz	10db	20:1	DK	PUSH PULL	50MHz-1GHz
D2201UK	2.5	12.5	40	2	1GHz	10db	20:1	DP	SINGLE ENDED	1MHz to 1GHz
D2203UK	5	12.5	40	4	2GHz	10db	20:1	DQ	SINGLE ENDED	DC to 2GHz

* These products are optionally available with DIAMOND SUBSTRATE mounted in the thermal path between the active element and the thermal mass of the package. The advantage of this construction is:

- Reduced chip temperature for the same rating – resulting in improved system reliability.
- Increased dissipation of these die by up to 33% resulting in more compact and cost efficient designs.

ALTERNATIVE PACKAGES AVAILABLE.