

## Cross Reference

### VDMOS: Philips vs. M/A-COM

	Philips Type	M/A-COM Type	Operation	V (V)	f (MHz)	P <sub>L</sub> (W)	G <sub>p</sub> (dB)	% (at P <sub>L</sub> )	Package	Impedance Data (Input / Load)	Comments	
UHF	BLF548		Class-B	28	500	150	>10	>50	SOT262A2	Available		
		MRF275G	Class-AB	28	500	150	>10	>50	375-04, STYLE 2	Available		
		MRF275L	Class-AB	28	500	100	8.8 typ	55 typ	333-04, STYLE 2	Available	Different Package	
		MRF177	Class-AB	28	400	100	12 typ	60 typ	744A-01, STYLE 1	Available	Different Package	
		MRF176GU	Class-AB	50	400	150	14 typ	50 typ	375-04, STYLE 2	Available	Different Supply Voltage	
		MRF175LU	Class-AB	28	400	100	10 typ	55 typ	333-04, STYLE 1	Available	Different Package	
		MRF175GU	Class-AB	28	400	150	12	55	375-04, STYLE 2	Available		
		BLF546		Class-B	28	500	80	>11	>50	SOT268A	Available	
			MRF166VW	Class-AB	28	500	40	14, 17 typ	50, 60 typ	412-01, STYLE 1	Available	
				Class-B	28	500	20	>11	>50			
		BLF544								SOT171A	Available	
				Class-B	28	960	20	7 typ	50 typ			
			MRF166C	Class-AB	28	500	20	13.5	50	319-07, STYLE 3	Available	
		BLF542		Class-B	28	500	5	>13	>50	SOT171A	Available	
			MRF160	Class-AB	28	500	4	16	55 typ	249-06, STYLE 3	Available	Different Package
	BLF404		Class-AB	12.5	500	4	>10	>50	SOT409A	Available		
	BLF521		Class-B	12.5	500	2	>10	>50	SOT172D	Available		
		MRF158	Class-AB	28	500	2	16	55 typ	305A-01, STYLE 2	Available	Almost Identical Package Different Supply Voltage	
VHF	BLF368		Class-AB	32	225	300	>12	>55	SOT262A1	Available		
		MRF141G	Class-AB	28	175	300	12	50	375-04, STYLE 2	Available	Different Supply Voltage	
			Class-AB	50	225	250	>14, 16 typ	>50, 55 typ				
		BLF278		Class-B	50	108	300	>20	>60	SOT262A1	Available	
			Class-C	50	108	300	18 typ	80 typ				
			MRF176GV	Class-AB	50	225	200	13 typ	55 typ	375-04, STYLE 2	Available	
			MRF151G	Class-AB	50	175	300	14	50	375-04, STYLE 2	Available	
		BLF248		Class-AB	28	225	300	>10	>55	SOT262A1	Available	
			MRF175GV	Class-AB	28	225	200	14 typ	65 typ	375-04, STYLE 2	Available	
				Class-AB	50	28	150	>20	>35			
		BLF177								SOT121B	Available	
				Class-B	50	108	150	19 typ	70 typ			
		MRF157	Class-AB	50	30	600	21 typ	45 typ	368-03, STYLE 2	Available	Different Package	
		MRF154	Class-AB	50	30	600	17 typ	45 typ	368-03, STYLE 2	Available	Different Package	
		MRF151	Class-AB	50	30	150	18	40	211-11, STYLE 2	Available	Almost Identical Package	
		MRF150	Class-AB	50	30	150	17 typ	45 typ	211-11, STYLE 2	Available	Almost Identical Package	

[continued on reverse]

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VHF (cont.)	BLF147		Class-AB	28	28	150	>17	>35	SOT121B	Available		
			Class-B	28	108	150	14 typ	70 typ				
		MRF174	MRF141	Class-AB	28	150	125	9	50	211-11, STYLE 2	Available	Almost Identical Package
				Class-AB	28	30	150	18, 22 typ	40	211-11, STYLE 2	Available	Almost Identical Package
				Class-AB	28	30	150	15	-	211-11, STYLE 2	Available	Almost Identical Package
	BLF246	MRF173	MRF173CQ	Class-B	28	108	80	>16	>55	SOT121B	Available	
				Class-AB	28	150	80	11, 13 typ	55, 60 typ	211-11, STYLE 2	Available	Almost Identical Package
				Class-AB	28	150	80	13 typ	65 typ	316-01, STYLE 2	Available	Different Package
	BLF246B			Class-AB	28	175	60	>14	>55	SOT161A	Available	
	BLF346	MRF173CQ	Class-A	28	225	>24, 30 typ	>14, 16.5 typ	-	-	SOT119A	Available	
			Class-AB	28	150	80	13 typ	65 typ	316-01, STYLE 2	Available		
	BLF245B	MRF136Y	Class-B	28	175	30	>14	>55	SOT279A	Available		
			Class-AB	28	150	30	14 typ	54 typ	319B, STYLE 1	Available		
	BLF245	MRF171A	Class-B	28	175	30	>13	>50	SOT123A	Available		
			Class-AB	28	150	45	17	60	211-07, STYLE 2	Available		
			Class-AB	28	150	30	13	60 typ	211-07, STYLE 2	Available		
	BLF175	MRF148A	Class-AB	50	28	30	24 typ	40 typ				
			Class-B	50	108	30	20 typ	65 typ	SOT123A	Available		
	BLF244	MRF136	Class-A	50	28	8	>24	-				
			Class-AB	50	30	30	18 typ	40 typ	211-07, STYLE 2	Available		
BLF242	MRF134	Class-B	28	175	15	>13	>50	SOT123A	Available			
		Class-AB	28	175	5	>13	>50	SOT123A	Available			
BLF404			Class-AB	28	150	5	11	55 typ	211-07, STYLE 2	Available		
BLF202		Class-AB	12.5	500	4	>10	>50	SOT409A	Available			
		Class-B	12.5	175	2	>10	>50	SOT409A	Available			
HF	BLF145	MRF134	Class-AB	28	28	30	20 typ	40 typ				
			Class-A	28	28	8	24	-	SOT123A	Available		
	BLF242			Class-B	28	175	5	>13	>50	SOT123A	Available	
	BLF202			Class-AB	28	150	5	11	55 typ	211-07, STYLE 2	Available	
			Class-B	12.5	175	2	>10	>50	SOT409A	Available		

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