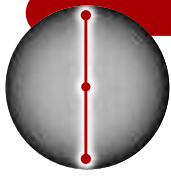
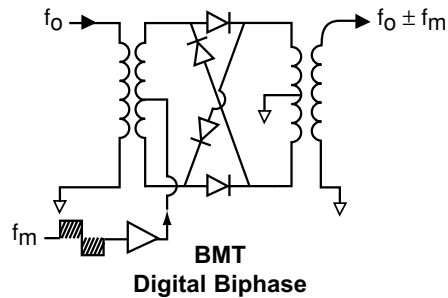
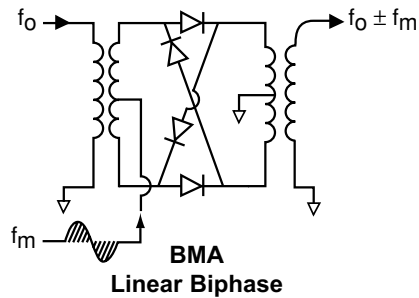


SECTION ONE

BIPHASE MODULATORS AND DSB UPCONVERTERS



BPSK



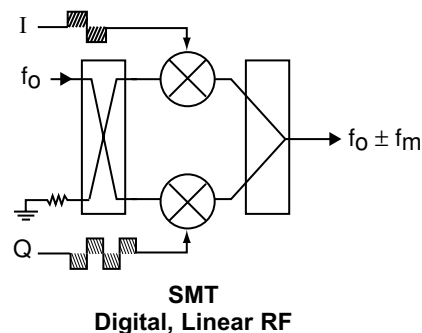
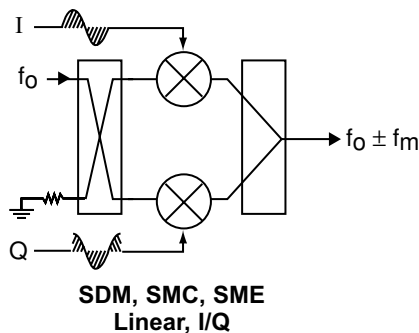
MODEL NUMBER	FREQUENCY RANGE RF (GHz) IF (GHz)		CARRIER DRIVEN (LINEAR IF MODULATION) (NOTE 1)		MODULATION DRIVEN (LINEAR RF BPSK) (NOTE 2)		CARRIER REJECTION (dBc, Typ.)	PAGE	NOTES
			CARRIER REJECTION (dBc)	SIDEBAND HARMONICS (dBc)	PHASE/AMP ERROR (Max.) (±deg./±dB)	STATIC LOSS/P 1 dB (dB, Max.) / (dBm)			
ANALOG OR DIGITALLY CONTROLLED INPUTS									
BMT65175HC10MD	0.65 – 1.75	TTL	N/A	N/A	3 / 0.3	6 / +15	30	7	PIN diodes
BMA0502LA2MD	0.5 – 2	DC – 0.5	35	30	3 / 0.3	5 / +5	30	9	Hermetic
BMA0104LA1MD	1 – 4	DC – 1	30	35	3 / 0.3	4 / +5	35	11	Hermetic
BMA0208LW2MD	2 – 8	DC – 2	25	30	5 / 0.5	5 / +5	35	13	Low 1/f Schottky
BMA0218LA1MD	2 – 18	DC – 0.5	15	20	10 / 0.75	5 / +5	20	15	Low 1/f Schottky
BMT0218HC10MD	2 – 18	TTL	N/A	N/A	10 / 0.75	6 / +20	25	17	PIN diodes
BMT0218HR5MD	2 – 18	TTL	N/A	N/A	10 / 0.75	6 / +16	25	19	RHG equivalent
BMA0618LA1MD	6 – 18	DC – 0.5	20	25	10 / 0.75	6 / +5	20	21	Low 1/f Schottky

SECTION TWO

QPSK AND QAM MODULATORS



QPSK



QAM

MODEL NUMBER	FREQUENCY RANGE RF (GHz) IF (GHz)		CARRIER DRIVEN (LINEAR IF QAM) (NOTE 1)		MODULATION DRIVEN (LINEAR RF QPSK) (NOTE 2)		CARRIER REJECTION (dBc, Typ.)	PAGE	NOTES
			CARRIER REJECTION (dBc)	SIDE BAND HARMONICS (dBc)	PHASE/AMP ERROR (Max.) (±deg./±dB)	STATIC LOSS/P 1 dB (dB, Max.) / (dBm)			
LINEAR I/Q OR RF INPUTS									
SMT0081LC1MDQ	.85 – .95	DC – 50	N/A	N/A	5 / .25	7 / 0	30	25	
SDM0502LC1MDQ	0.5 – 2	DC – 0.5	25	23	10 / 1.5	10 / +3	33	27	
SMT0502LC1MD	0.5 – 2	TTL	N/A	N/A	10 / 1.5	10 / +3	35	29	
SDM0102LC1MDQ	1 – 2	DC – 0.5	30	23	7 / 0.75	7 / +5	35	31	
SM2737LI6CDQ	2.7 – 3.7	DC – 0.5	30	25	6 / 0.6	8 / +3	35	33	8
SDM0104LC1MDQ	1 – 4	DC – 0.5	30	23	10 / 1.5	10 / +5	34	35	
SDM0307LI1CDQ	3.5 – 6.5	DC – 0.5	30	25	5 / 0.5	10 / +6	35	37	8
SMC0206LI1CDQ	2 – 6	DC – 0.5	30	25	7 / 0.75	15 / +16	35	39	8
SDM6474LCDQ	6.4 – 7.4	DC – 0.1	30	25	N/A	N/A	35	41	
SDM0208LC1CDQ	2 – 8	DC – 0.5	20	30	10 / 1.0	10 / +6	25	43	8
SDM0708LI3CDQ	7.2 – 8.4	DC – 0.3	30	25	5 / 0.5	8 / +5	30	47	8
SML0711LM8CDQ	7 – 11	DC – 0.2	50	24	N/A	N/A	N/A	49	LO = 1/2 RF
SDM1015LI3CDQ	10 – 15	DC – 1	30	25	7 / 0.75	9 / +8	33	51	8
SMT0218LC1MD	2 – 18	TTL	N/A	N/A	15 / 1.5	12 / +3	20	53	
SMC0618LI1CDQ	6 – 18	DC – 0.5	30	25	12 / 1.25	19 / +16	33	55	8