



MAX2046EVM Kit BILL OF MATERIAL

Date:1/20/03
 BOM REV: A
 SCHEMATIC REV: A
 BOARD REV: B

	DESIGNATION	QTY	DESCRIPTION	Maxim Part #
*	C1	1	3.9pF +/-0.1pF 50V C0G CER CAP (0402) Murata: GRP1555C1H3R9B	EC0317
*	C2, C3	2	220pF 10% 50V X7R CER CAP (0402) Murata: GRP155R71H221K	ECM0080
*	C4 – C13, C15, C16	12	22pF 5% 50V C0G CER CAP (0402) Murata: GRP1555C1H220J	ECM0020
*	C14	1	6.2pF +/-0.25pF 50V C0G CER CAP (0402) Murata: GRP1555C1H6R2C	ECM0057
*	C17	1	0.01uF 10% 25V X7R CER CAP (0402) Murata: GRP155R71E103K	EC0447
*	L1	1	1.5pF +/-0.1pF 50V C0G CER CAP (0402) Murata: GRP1555C1H1R5B	ECM0058
*	L2	1	12 nH 5% CHIP IND (0402) Toko: LL1005-FH12NJ	EL0518
	R1	1	280 Ohm 1% Resistor (0402) Any	ER0104022800
	R3, R5	2	0 Ohm Resistor (0402) Any	ER0104020R00
	R2, R4, R6	0	Not Installed	
*	T1	1	1:1 Balun (50:50) Murata LDB15C500A1900	ET0030
*	T2	1	4:1 Balun (200:50) Murata LDB15C201A1900	ET0063
	J3	1	Header 2x10 (0.100 spacing for .062 “ thick board) Molex 10-89-1201 or Equivalent	EH0139
*	J1, J2	2	PCB Edge Mount SMA RF Connector (Flat tab launch) Johnson: 142-0741-856	EH0092
*	U1	1	Vector Multiplier IC (5x5mm QFN32 exp paddle) Maxim: MAX2046ETJ NOTE:U1 HAS AN EXPOSED PADDLE CONDUCTOR WHICH REQUIRES IT TO BE SOLDER ATTACHED TO A GROUNDED PAD ON THE CIRCUIT BOARD TO ENSURE A PROPER ELECTRICAL/THERMAL DESIGN.	EU01083
	PCB	1	PC Board (2” x 2”) MAX2046EVMKIT Rev B	