



## MAX2045EVMKit BILL OF MATERIAL

Date:1/14/03  
BOM REV: A  
SCHEMATIC REV: A  
BOARD REV: B

DESIGNATION	QTY	DESCRIPTION	Maxim Part #
C1, C4 – C16	14	22pF 5% 50V C0G CER CAP (0402) Murata: GRP1555C1H220J	ECM0020
C2, C3	2	220pF 10% 50V X7R CER CAP (0402) Murata: GRP155R71H221K	ECM0080
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	8.2nH 5% CHIP IND (0402) Toko: LL1005-FH8N2J	EL0653
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: MAX2045ETJ <b>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.</b>	EU01084
PCB	1	PC Board ( 2” x 2” ) MAX2045EVMKIT Rev B	