

MAXIM

MAX3657 Evaluation Kit

General Description

The MAX3657 evaluation kit is a fully assembled chip-on-board electrical demonstration kit that provides easy evaluation of the MAX3657 155Mbps +3.3V trans-impedance amplifier.

Note that the MAX3657 Evaluation Kit provides an electrical interface to the IC that is similar, but not exactly the same as a photodiode.

Features

- ◆ **Easy +3.3V Electrical Evaluation of the MAX3657**
- ◆ **Fully Assembled and Tested**
- ◆ **EV Kit Designed for 50Ω Interfaces**

Component List

DESIGNATION	QTY	DESCRIPTION
C2 C23	2	0.01μF ± 5% Ceramic Capacitor (0201) - Do not Install
C3	1	10μF ±10% tantalum capacitor Do Not Install
C4	1	0.9pF ± .075pF Ceramic Capacitor (0402)
C5 C100	2	0.01μF ± 10% Ceramic Capacitor (0402)
C6, C7, C24, C27	4	1μF ± 5% Ceramic Capacitor (0402) Do Not Install
C8, C9, C13, C14, C96, C98, C118, C119	8	1μF ± 5% Ceramic Capacitor (0402)
C17, C99	2	10μF ±10% tantalum capacitor
C97	1	0.4pF ± 0.05pF Ceramic Capacitor (0402)
J3 J4 J5, J22 J26 J27	6	SMA connectors (edge-mount, round)
J19, J23, J24, J25	4	SMA connectors (edge-mount, round) Do not Install
JU3, JU4, JU5, JU6	4	2-pin headers (0.1in centers)
L1	1	56nH inductors (0805) Coilcraft CS-560XKBC Do Not Install
L2 L30	2	56nH inductors (0805) Coilcraft CS-560XKBC

Ordering Information

PART	TEMP. RANGE	IC PACKAGE
MAX3657EVKIT	-40°C to +85°C	Dice

Component Suppliers

SUPPLIER	PHONE	FAX
AVX	843-444-2863	843-626-3123
Coilcraft	847-639-6400	847-639-1469
Digi-Key	218-681-6674	218-681-3380
EF Johnson	402-474-4800	402-474-4858
Murata	415-964-6321	415-964-8165

Note: Please indicate that you are using the MAX3657 when ordering from these suppliers.

DESIGNATION	QTY	DESCRIPTION
R2, R98	2	49.9Ω ±1% resistor (0402)
R3, R4 R120, R121	4	100Ω ±1% resistor (0402)
R5 R100	2	10kΩ ±1% resistor (0402)
R6	1	1kΩ ±1% resistor (0402)
R7, R38	2	499Ω ±1% resistor (0402)
R28-R29 R33-R34	4	100Ω ±1% resistor (0402) Do Not Install
R31	1	1kΩ ±1% resistor (0402) Do Not Install
R99 R102 R103	3	4.99kΩ ±1% resistor (0402)
TP2, TP4, TP5, TP6 TP8, TP9, TP10 TP13-TP14, TP19	10	TESTPOINT DIGI-KEY 5000K-ND
TP1, TP18, TP11, TP12	4	TESTPOINT DIGI-KEY 5000K-ND Do Not Install
U1	1	MAX3657 ETC 12 QFN
U2	1	MAX3657 DIE
U3	1	User Supplied 4 PIN TO CAN
U4	1	User Supplied 5 PIN TO CAN

Quick Start

Test Equipment Required

- +3.3V power supply with 100mA current capability