



E-Series I/Q Modulator

890 – 915 MHz

EQKR8-900

Features

- High carrier suppression
- High 3I and 5I suppression

Specifications @ 25°C

Frequency Range (LO) Carrier I/Q	890–915 MHz DC–1 MHz	
(LO) Carrier Suppression ⁽¹⁾	35 dBc Typ	30 dBc Min
SSB Rejection ⁽¹⁾	36 dBc Typ	30 dBc Min
Harmonic Suppression ⁽¹⁾		
3 x I/Q	50 dBc Typ	45 dBc Min
5 x I/Q	65 dBc Typ	60 dBc Min
Conversion Loss	6 dB Typ	7 dB Max
(LO) Carrier Power	10±1 dBm	
I/Q Drive Level	-7 dBm Nominal	

Note (1): Related to wanted sideband power

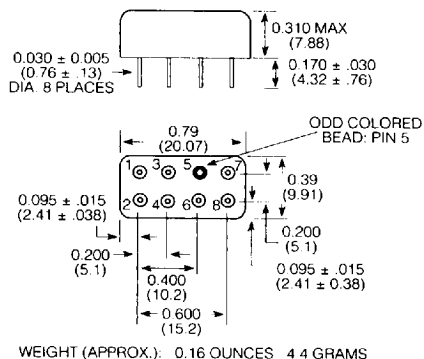
Operating Characteristics

Impedance	50 Ohms Nominal
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Absolute Maximum Ratings

Parameter	Absolute Maximum
Operating Temp.	0°C to 70°C
Storage Temp.	-55 °C to +100 °C
Pin Temp (10 sec)	260°C

R-14



Pin Configuration (Top View)

2	4	6	8
1	3	5	7

Function	Pin No.
(LO) Carrier	1
RF Out	8
I	5
Q	6
Case Ground	2,3,4,7

Specifications Subject to Change Without Notice

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