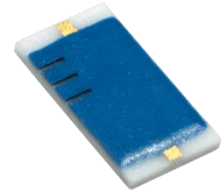
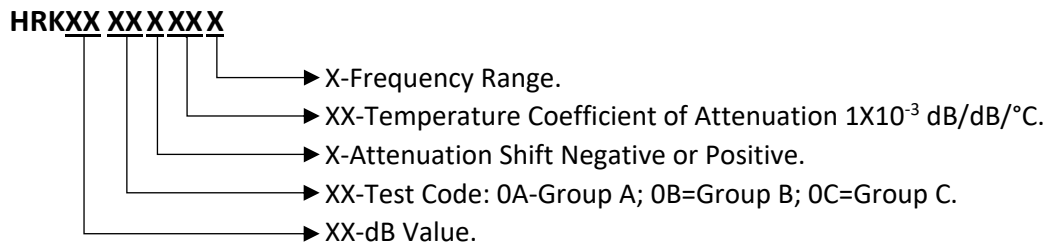


## ATTENUATOR HIGH RELIABILITY CHIP 100 MILLIWATTS

DATASHEET PART SERIES: HRKXXXXXXXXX

Sheet 1 of 2  
Doc# HRKXXXXXXXXX-1011645ECO-084379  
Revision D

## ORDERING INFORMATION Part Identifier:



## SPECIFICATIONS

## 1.0 ELECTRICAL

Nominal Impedance: 50  $\Omega$ .

Frequency Range: 16 - 36 GHz.

Number Code	Frequency Range (GHz)
1	16 – 22
2	18 - 32
3	28 – 31
4	32 – 36
5	16 - 36

Attenuation Values Available: 2 - 6 dB in 1 dB increments.

Attenuation Accuracy @ 25°C:  $\pm 1.0$  dB @ 1GHz.

VSWR: 1.35:1 Typ @ Midband.

Input Power: 100 Milliwatts Full Rated Power To 100°C, Derated Linearly to 0 Watts at 150°C.

Temperature Coefficient of: -0.005, -0.006, and -0.007dB/dB/°C.

Temperature Coefficient Tolerance: Min -0.004 dB/dB/°C.

## 2.0 ENVIRONMENTAL

Operating Temperature: -55°C to +150°C

Storage Temperature: -55°C to +150°C

## 3.0 MARKING

Unit Marking: Part Marking, Vertical "I" For Each dB. i.e., 3 dB = "III".

## 4.0 QUALITY ASSURANCE

Verify 100% Visual Pre-Cap Inspection Performed Per TP-9010.

Perform Group A, B and/or C testing as indicated by the part number per TP-9010.

Test Data requirements:

Test data required for customer see TP-9010.

Data retention – 24 months.

Test samples required for customer see TP-9010.

## 5.0 PACKAGING

Standard Packaging: Serialized Waffle Pack.

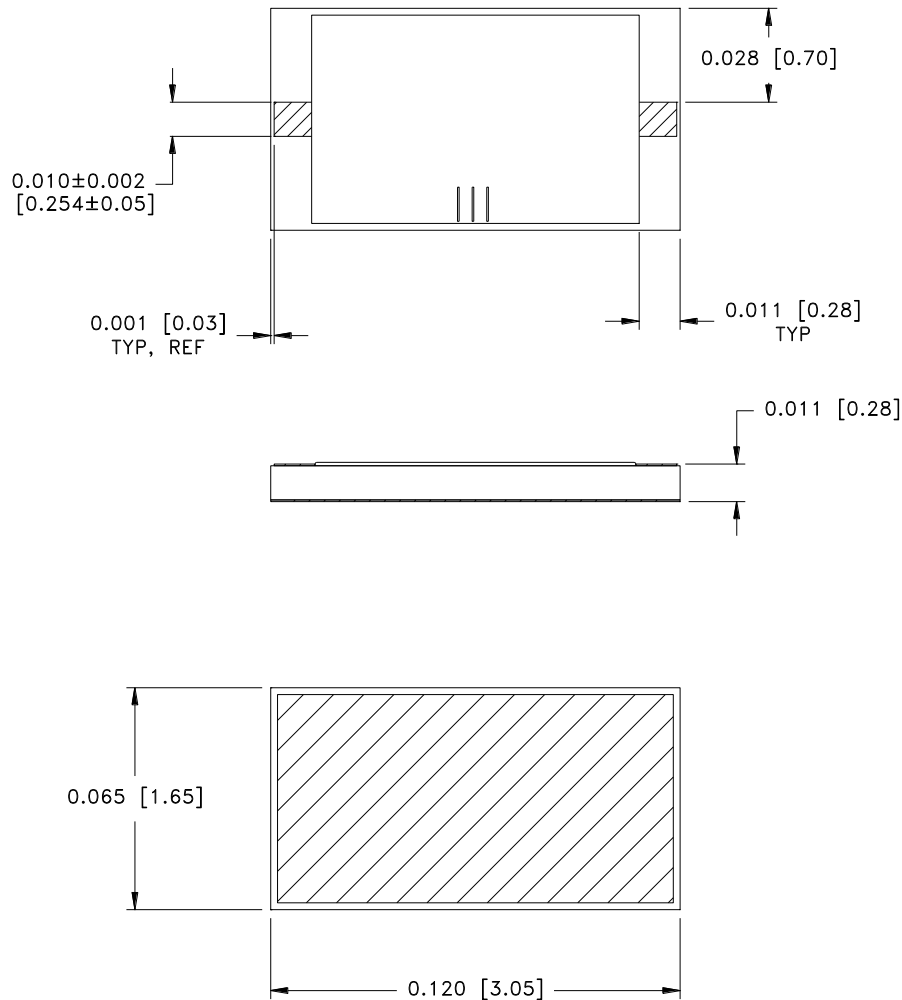
## ATTENUATOR HIGH RELIABILITY CHIP 100 MILLIWATTS

DATASHEET PART SERIES: HRKXXXXXXXXX

Sheet 2 of 2  
Doc# HRKXXXXXXXXX-1011645ECO-084379  
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## 6.0 MECHANICAL

Substrate Material: Alumina 96%.  
 Resistive Film: Thick Film.  
 Terminal Material: Thick Film, Bondable Gold.  
 Metric Dimensions: Provided for reference only.  
 Workmanship: PER MIL-STD-130.



Unless Otherwise Specified: TOLERANCE: X.XXX =  $\pm 0.005$ .