Barry Industries

40W 20dB DC-4GHz AlN Leaded Attenuator

H06Z-2000J2T-02C36-X

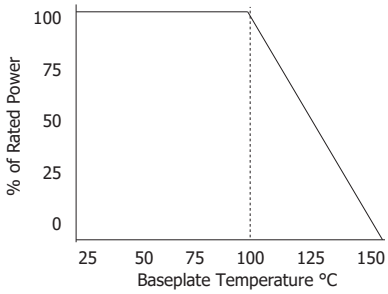
H06Z-2000J2T-02C36-X Features:

- Solderable Leads
- RoHS Compliant
- Customer Defined Testing Available

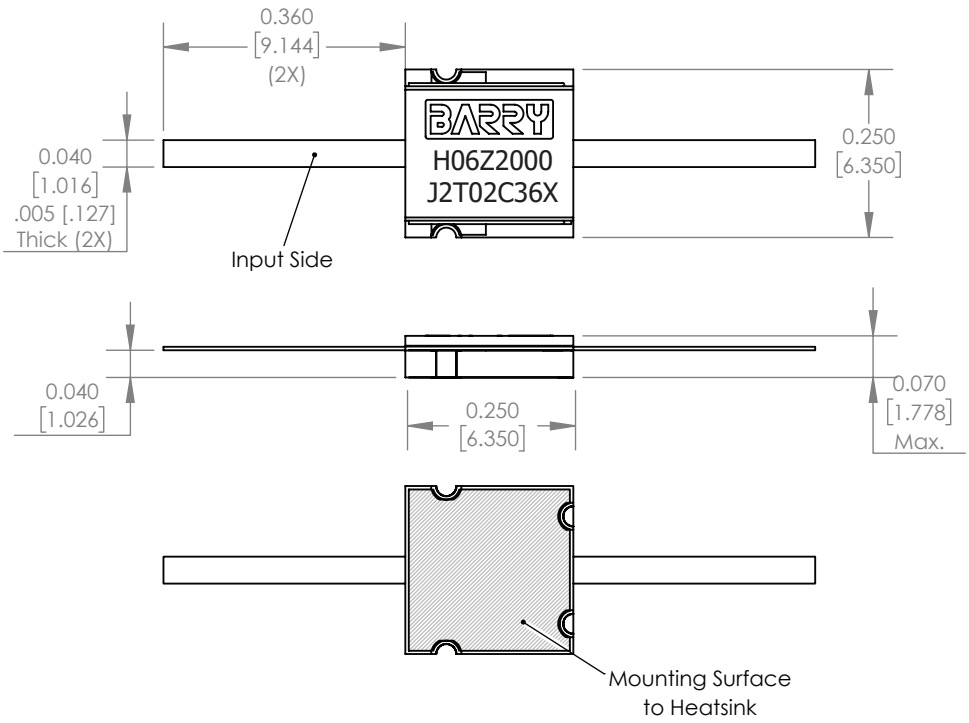
H06Z-2000J2T-02C36-X Parameters:

Nominal Attenuation*:	20dB	
Operating Frequency:	DC - 4GHz	
Attenuation Tolerance:	±1.0dB ±2.0dB	(DC - 3GHz) (>3 - 4GHz)
Return Loss (Typical)**:	20dB 17dB	(DC - 3GHz) (>3 - 4GHz)
Input Power:	40W***	
Impedance:	50Ω	
Resistor Construction:	Thick Film on AlN	
Lead Construction:	Silver Plated Copper	
Operating Temperature:	-55 to +150°C	

H06Z-2000J2T-02C36-X Power Derating Curve



H06Z-2000J2T-02C36-X Dimensions:



Dimensions in inches [mm]
Tolerance is ± 0.010 [0.254]
unless otherwise stated

* Other values and available. Contact factory
** In a matched, continious 50Ω system with proper workmanship
*** Rating based on ≤100°C constant baseplate temperature

Ordering Information:

H06Z-2000J2T-02C36-X

Barry Industries reserves the right to change part number and/or process without notification.

H06Z-2000J2T-02C36-X Reliability Data:

Parameter:	Test Condition:	Results:
Short Time Overload	Apply 1.1x Rated Power for 5 Seconds.	≤ 5.0% Resistance Shift
Rated Load Life	Apply 1/2 Power Under 40°C ±2°C 90 Minutes on/ 30 Minutes off. Repeat for 100 hours	≤ 5.0% Resistance Shift
Moisture Resistance	MIL-PRF-55342 para.4.8.9 95% RH, 25°C - 65°C	≤ 5.0% Resistance Shift
Resistance to Soldering Heat (Lead)	MIL-STD-202 Method 210 Test Condition "A"	≤ 5.0% Resistance Shift
Resistance to Soldering Heat (Assembly)	MIL-STD-202 Method 210 Test Condition "J"	≤ 5.0% Resistance Shift
Terminal Strength	MIL-STD-202 Method 211 Test Condition "A" 3lbs. Test Condition "B" 5 bends	No Significant Abnormality (Visual)
Solderability (Lead only)	MIL-STD-202 Method 208 Test C	>95% Covered
High Temperature Storage	125°C ±2°C for 500 Hours	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)
Thermal Shock	-65°C to +150°C 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)