

### H05Z-2500J99-00C36-X Features:

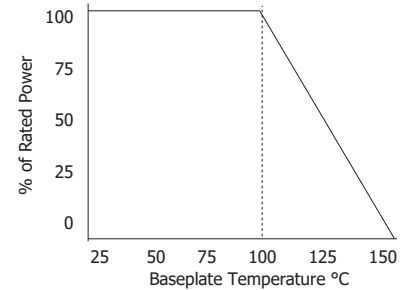
- Solderable Leads
- RoHS Compliant
- Symmetrical Design<sup>1</sup>
- Customer Defined Testing Available

### H05Z-2500J99-00C36-X Parameters:

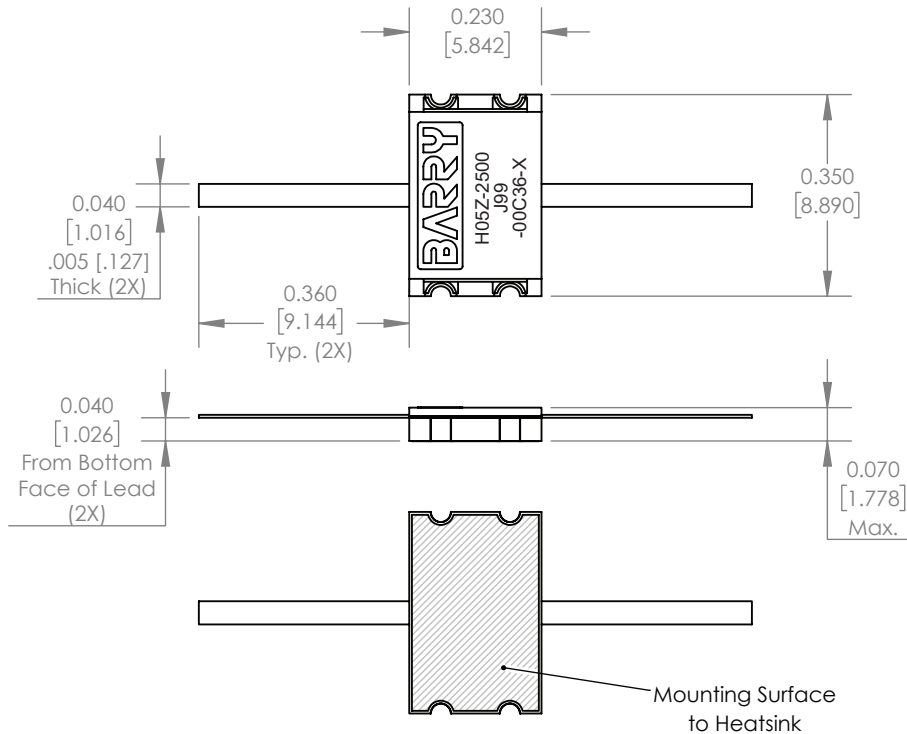
Nominal Attenuation*:	25dB
Operating Frequency:	DC - 3GHz
Attenuation Tolerance:	±1.0dB (DC - 1GHz) -2.5, +1dB (>1 - 2GHz) -4.0, +1dB (>2 - 3GHz)
Return Loss (Typical)**:	22dB or Better (DC - 1GHz) 19.5dB or Better (>1 - 2GHz) 16.5dB or Better (>2 - 3GHz)
Input Power:	40W***
Impedance:	50Ω
Resistor Construction:	Thick Film on BeO
Lead Construction:	Silver Plated Copper
Operating Temperature:	-55 to +150°C



### H05Z-2500J99-00C36-X Power Derating Curve



### H05Z-2500J99-00C36-X Dimensions:



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

<sup>1</sup> Can be mounted in either direction  
<sup>\*</sup> Other values and available. Contact factory  
<sup>\*\*</sup> In a matched, continuous 50Ω system with proper workmanship  
<sup>\*\*\*</sup> Rating based on ≤100°C constant baseplate temperature

### Ordering Information:

**H05Z-2500J99-00C36-X**

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

**H05Z-2500J99-00C36-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)

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