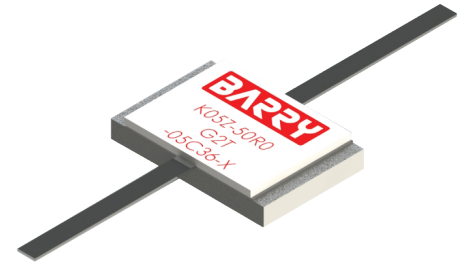


K05Z-XXXXG2T-05C36-X Features:

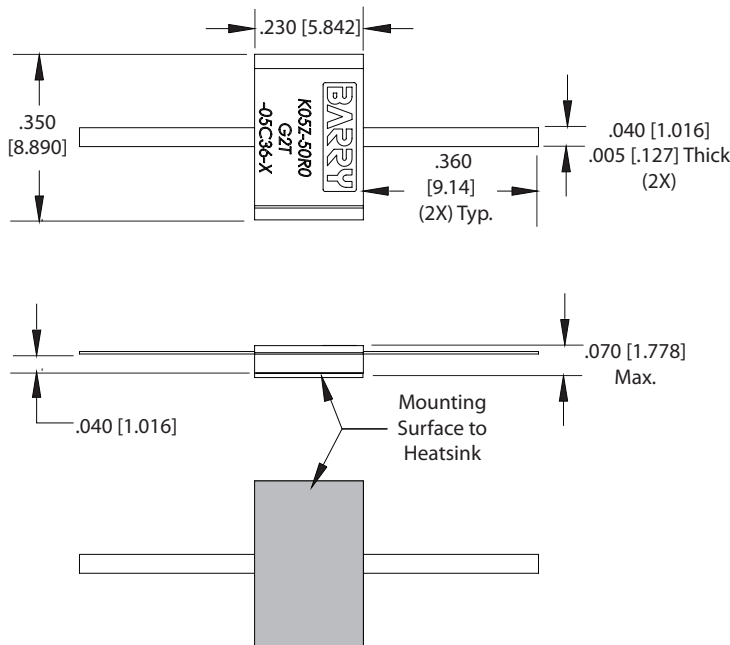
- Solderable Leads
- Solderable Backplane
- RoHS Compliant
- ±2% Resistor Tolerance
- Customer Defined Testing Available

K05Z-XXXXG2T-05C36-X Parameters:

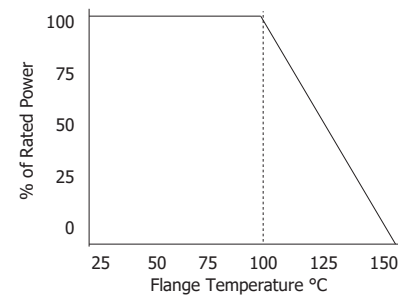
Rated Power:	50W*
Resistance Range:	10Ω to 1KΩ**
Resistor Construction:	Thick Film on AIN
Lead Construction:	Silver Plated Copper
Operating Temperature:	-55 to +150°C



K05Z-XXXXG2T-05C36-X Dimensions:



K05Z-XXXXG2T-05C36-X Power Derating Curve



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

* Rating based on ≤100°C constant baseplate temperature
** Other values and tolerances available. Contact factory.

Ordering Information:

K05Z-XXXXG2T-05C36-X

Value Code Examples

10R0 - 10Ω	1000 - 100Ω
50R0 - 50Ω	1001 - 1KΩ

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



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K05Z-XXXXG2T-05C36-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	-5°C to +150°C 30 Minutes Dwell, 5 Cycles	1.) ≤ 5.0% Resistance Shift 2.) No Significant Abnormality (Visual)

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