



Barry Industries
A Vishay Company

TV0603CT-50R0JN-2Q

3 Watt AlN Chip Termination

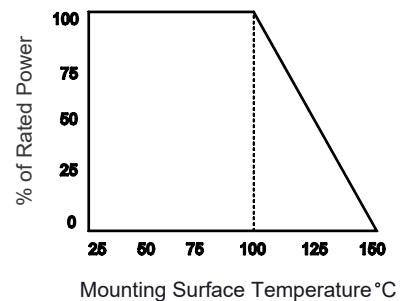
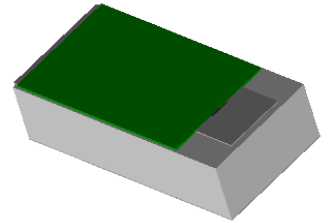
Features:

- Nickel Barrier Solderable Terminals
- High Rated Power
- Customer Defined Testing Available
- Thick Film on AlN Ceramic
- ROHS Compliant

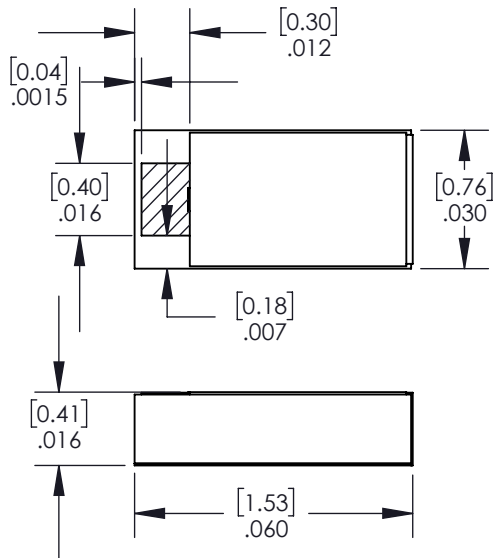
Parameters:

Impedance:	50 Ω
Operating Frequency:	DC - 26 GHz:
Rated Power:	3.0 W*
VSWR maximum	DC - 6 GHz 1.24 6 - 22 GHz 1.32 22 - 26 GHz 1.38
Terminal Metallization:	100% Matte Tin over Nickel over Silver
Operating Temperature:	-55 to +150°C (see derating chart)

* rating based on 100°C mounting surface temperature



Dimensions:



Dimensions in inches [mm]
Tolerance ± 0.01 [0.254]
unless otherwise stated

Order TV0603CT-50R0JN-2QTR for Tape & Reel packaging

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

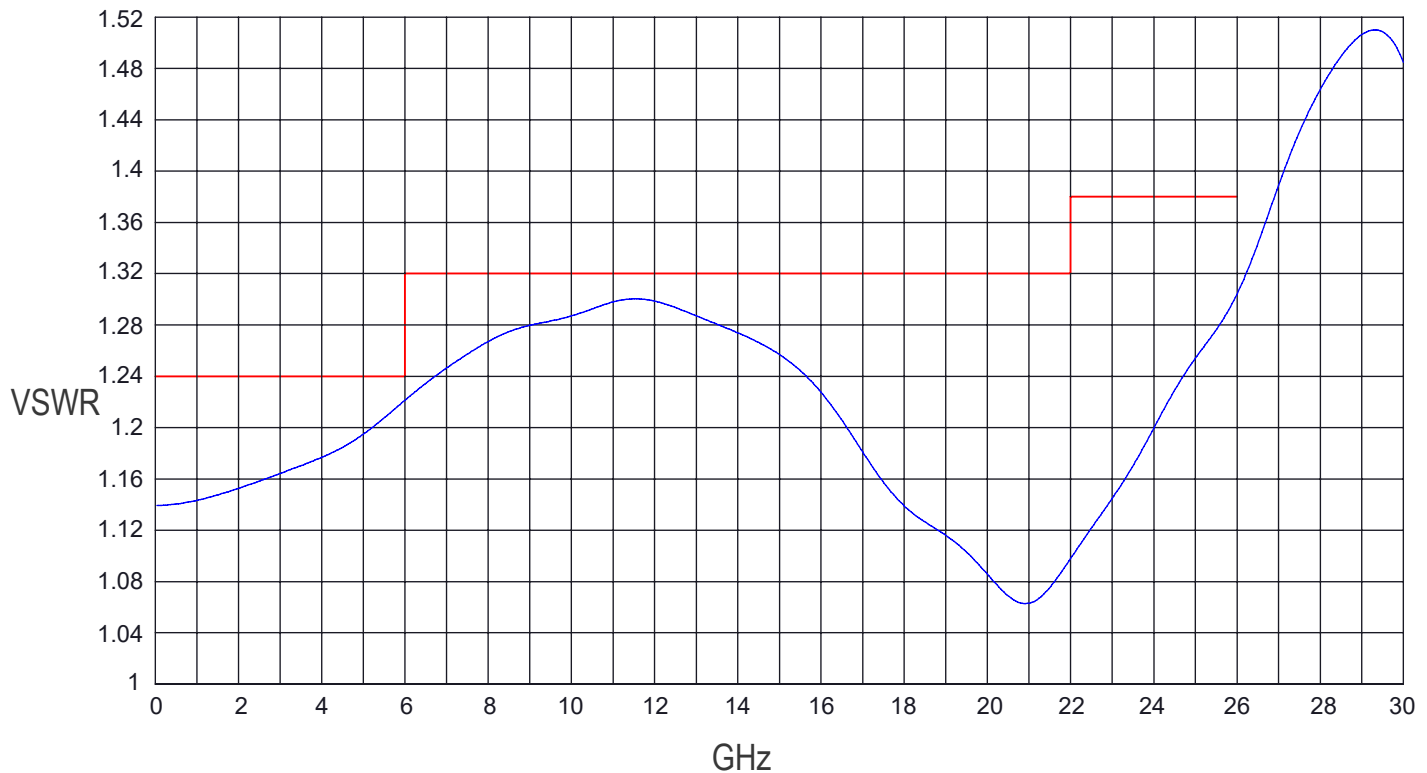
Barry Industries maintains an ISO9001 Certified Quality Management System
and is an ITAR Registered company.

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www.barryind.com

ORIG.	REV.	No.
JUNE 9 2025	-	-
PAGE 1 OF 2		



Measured Performance



Parameter:	Test Condition:	Results:
Short Time Overload	1.1X Rated Power for 5 Seconds	< 5% Resistance Shift
Rated Load Life	Apply 1/2 Power at 40°C 90 Minutes On/ 30 Minutes Off Repeat for 100 Hours	< 5% Resistance Shift
Moisture Resistance	MIL-PRF-55342 Para 4.8.9 95% RH, 25°C - 65°C	< 5% Resistance Shift
Resistance to Soldering Heat	MIL-PRF-55342 Para 4.8.8.2	< 5% Resistance Shift
Solderability	MIL-PRF-55342 Para 4.8.12	>95% Covered
High Temperature Storage	125°C for 500 Hours	< 5% Resistance Shift No Significant Visual Abnormality
Thermal Shock	-65°C to +150°C 30 Minutes Dwell, 5 Cycles	< 5% Resistance Shift No Significant Visual Abnormality

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PAGE 2 OF 2		