Powerfilm BY SPECTRUM CONTROL™

PRODUCT DATASHEET

Resistor/Termination Chip, High Power

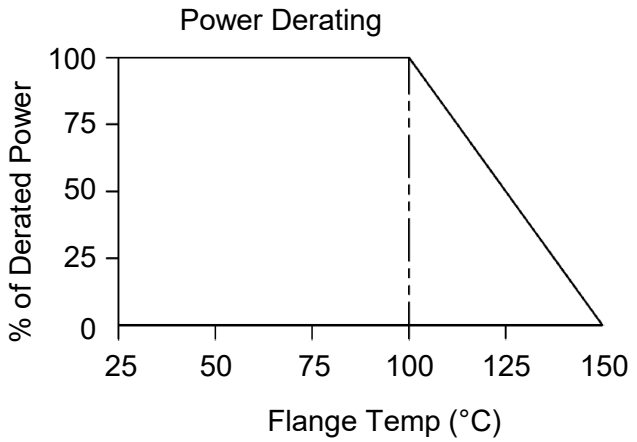
Model: CA0ZZCB01

Legacy Model: ANC50-50

EAR99

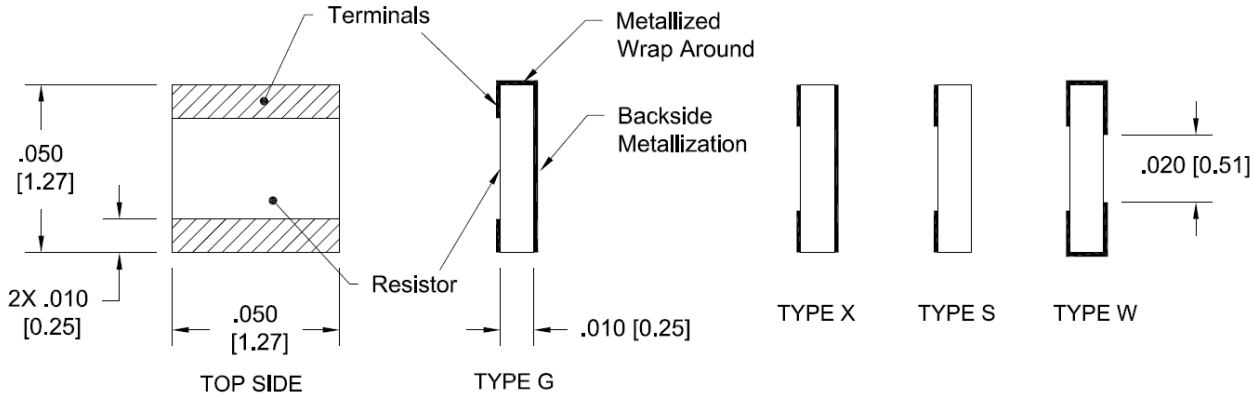
Technical Specifications

Parameter	Value
Electrical	
Frequency Range	DC – 4 GHz
Standard Ohm Values	50 & 100 ±5% (Type G terminal available in 50 Ohm only)
Capacitance	0.5 pF
Input Power (CW)**	5 Watts max. *Derated linearity to 0 watt @ +150°C*
VSWR (Terminations only)	1.25:1 typical
Operating Temp. Range	-55°C to +150°C
Mechanical	
Substrate	Aluminum Nitride
Solderable Terminals	Electroplated Silver over Nickel *(See how to order for tinning options)*



*Mounting surface shall not exceed 100°C max. for 100% power rating to apply. See derating chart for mounting surfaces able 100°C.

Model Number: CA00XCB011000G shown



How To Order

Terminal Type
G = One end wrap around, backside metallization
X = No wrap around, backside metallization
W = Both ends wrap around
S = No wrap around, no backside metallization

CA0ZZCB01XXXXY

Terminal Options
0 = Silver over Nickel
T = Tin Lead Solder
H = Lead Free Solder
G = Gold Plated

Tolerance
F = 1%
G = ±2%
J = ±5%

Ohm Value
50R0 = 50 Ohms
1000 = 100 Ohms
(Other values available)

Tolerances: .XXX± .010

Packaging
- Waffle pack-standard
- Tape and reel-optional

*Dimensions are for substrate only and do not include terminal thickness or optional tinning thickness.

**Dimensions in brackets are expressed in millimeters and are for reference only.

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Spectrum Control reserves the right to make changes to datasheets at any time without notice.

SPECTRUM CONTROL