



ELECTRICAL SPECIFICATIONS

Frequency Range	0.1 ~ 250	MHz
Coupling Tolerance	50 ± 1.00	dB, nom'l.
Flatness (Sensitivity)	± 1.00	dB, max.
Directionality	20	dB, min.
Main Line Insertion Loss	0.5	dB, max.
Main Line VSWR	1.25	:1, max.
Coupled Port VSWR	1.5	:1, max.
Forward Average Power	250	Watts, max.
Reverse Average Power	250	Watts, max.
Impedance	50	Ohms, nom'l.

MECHANICAL SPECIFICATIONS

R.F. Interface	N Female
Operating Temperature	0 ~ +55 °C (Tested at +25°C)
Environment	Indoor use only.
Humidity	90%, Non-Condensing
Weight	1.5 lb. Nom'l.

WERBEL MICROWAVE

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2CNK125-50

Connectors	Brass, Nickel Plate
Contact Pins	Beryllium Copper, Gold Plate
Insulators	PTFE
Housing	Aluminum, RoHS Chemical Conversion
Finish	Nickel Plate

SPECIAL NOTE: REPLACES PRODUCT 40C29-50

Dual 50-dB Directional Coupler

REV	DESCRIPTION	ENG.	DATE
0	Original release as 40C29.	ETW	7/14/2014
1	Remove intermodulation spec.	ETW	1/13/2017
2	ECN 1078	ETW	2/ 2/2017
3	ECN 1129	ETW	5/26/2017

Input power is rated for load VSWR of 1.20:1, max. Insertion loss excludes coupling/split loss.
 All dimensions in inches with tolerance ± .010" and are typical unless otherwise specified.
 Specifications are subject to change without notice. This document shall not form part of any contract.