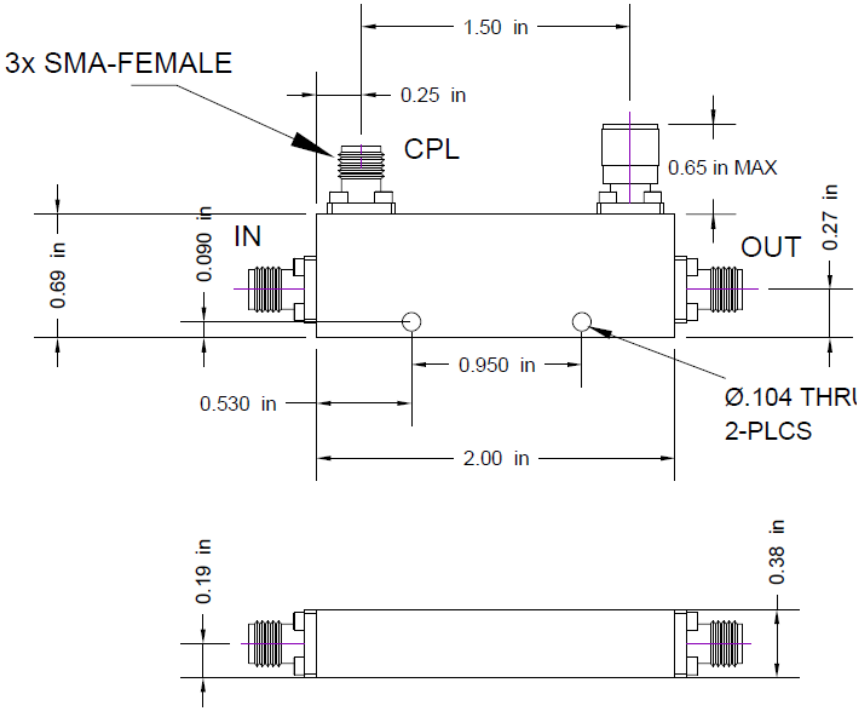


Directional Coupler Datasheet

Part No # C-0208-10-EC / revised 12-23-2020

Outline Drawing



Outline drawing # OL-1305 (Werbel reference)

Electrical Specification	Min	Typ.	Max	Units
Frequency Range	2		8	GHz
Impedance		50		Ohm
Coupling (average of all frequency points)		10	± 3	dB
Frequency Sensitivity		± 0.5		dB
Insertion Loss (measured at highest frequency)			1.3	dB
Directivity	14			dB
VSWR (main line)			1.5	:1
VSWR (secondary line)			1.5	:1
Forward Power (into 1.20:1 max load VSWR)			30	W (CW)
Reverse Power (into 1.20:1 max load VSWR)			3	W (CW)
Termination Power			1	W

Mechanical	Specification
Environment	Indoor Use
Operating Temperature (design to meet; tested at +25 C)	-55 to +85 C
Storage Temperature	-55 to +100 C
Finish	Black
Connector Type	SMA Female
Connector Material	Stainless Steel

Design to meet based on materials. Production-tested at +25 °C. External heatsink and convection cooling recommended to maintain body temperature below +50 °C.

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