



MODEL 101012410-Q-1006 1.0-12.4 GHz DIRECTIONAL COUPLER QUANTUM/CRYOGENIC APPLICATIONS

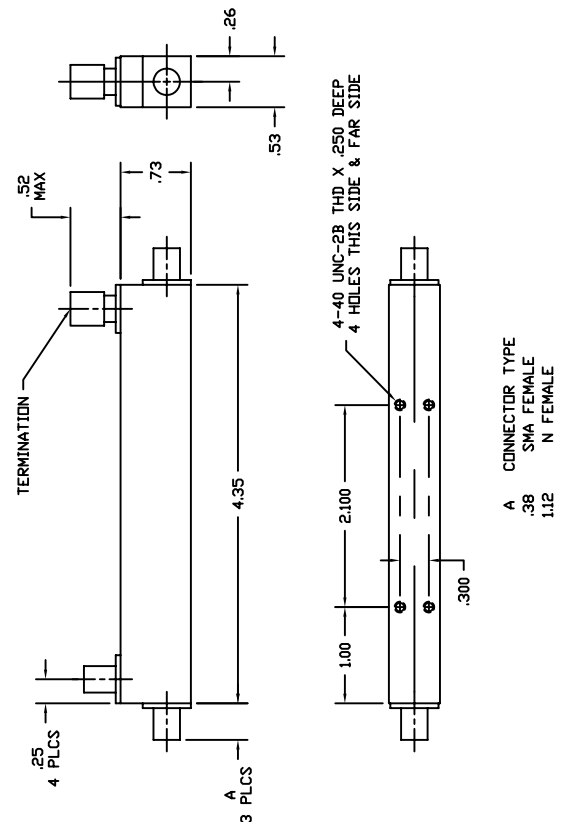


ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE	1.0-12.4 GHz
COUPLING (with respect to output)	
Nominal	10 ± 0.5 dB
Frequency Sensitivity	± 0.3 dB
DIRECTIVITY	
	> 18 dB, 1-8 GHz
	> 15 dB, 8-12.4 GHz
MAXIMUM VSWR (any port)	
	1.20, 1-8 GHz
	1.35, 8-12.4 GHz
INSERTION LOSS (includes coupled power)	< 1.1 dB
POWER RATING (input)	
Average	20 W
Peak	3 KW
STANDARD CONNECTORS	SMA Female
Optional:	N Female
WEIGHT (ounces)	
N Female Connectors	4.9
SMA Female Connectors	3.0
OPERATING TEMPERATURE	CRYOGENIC to $+85^{\circ}$ C

NOTE: Materials and design optimized for extreme cold temperature operating environments. Contact factory for additional temperature information.

DIMENSIONS IN INCHES



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