



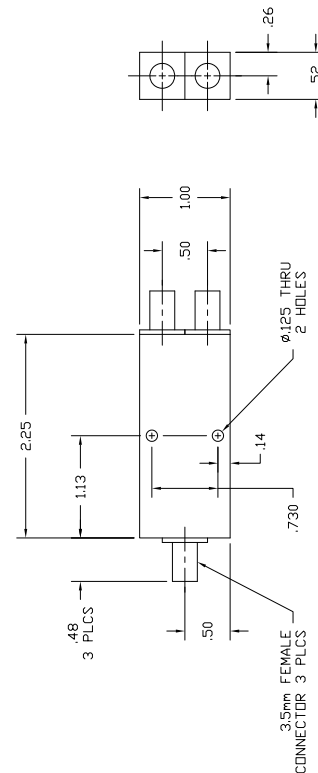
**MLDD** signifies Matched-line Directional Divider, a new class of microwave directional devices invented and patented by Tom Russell.

### ELECTRICAL SPECIFICATIONS

<b>FREQUENCY RANGE</b>	2-18 GHz
<b>MAXIMUM VSWR</b>	1.45
<b>MAXIMUM INSERTION LOSS</b> (In addition to 3 dB divider loss)	1.1 dB
<b>MINIMUM ISOLATION</b>	> 19 dB
<b>MAXIMUM AMPLITUDE TRACKING</b>	± 0.3 dB
<b>MAXIMUM PHASE TRACKING</b>	± 6°
<b>WEIGHT (ounces)</b>	2.0
<b>STANDARD CONNECTORS</b>	3.5mm Female
<b>OPERATING TEMPERATURE</b>	CRYOGENIC TO +85°C

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

### DIMENSIONS IN INCHES



Amplitude and phase tracking are the ratio of one output to the other in dB or degrees respectively. Input power rating is 10 watts with 2:1 load VSWR's.