



**MODELS 102050010,  
102050013, 102050016 &  
102050020**

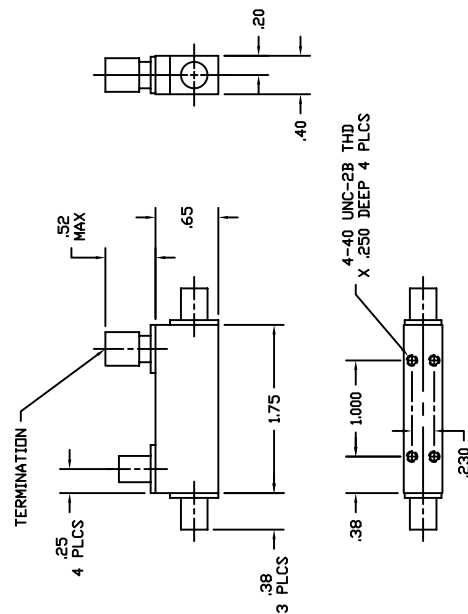
**2-50 GHz DIRECTIONAL COUPLERS**



**SPECIFICATIONS**

**DIMENSIONS**

<b>FREQUENCY RANGE</b>	2-50 GHz	
<b>COUPLING</b> (with respect to output)		
Nominal	102050010	10 ± 1 dB
	102050013	13 ± 1 dB
	102050016	16 ± 1 dB
Frequency Sensitivity		± 0.6 dB, 2-26.5 GHz ± 0.8 dB, 2-50 GHz
Nominal	102050020	20 ± 1.2 dB
Frequency Sensitivity		± 0.65 dB, 2-26.5 GHz ± 1.25 dB, 2-50 GHz
<b>DIRECTIVITY</b>		> 13 dB, 2-26.5 GHz > 10 dB, 26.5-50 GHz
<b>MAXIMUM VSWR</b> (any port)		1.5, 2-26.5 GHz 1.8, 26.5-50 GHz
<b>INSERTION LOSS</b>	102050010	< 2.0 dB
(includes coupled power)	102050013	< 1.8 dB
	102050016	< 1.7 dB
	102050020	< 1.7 dB
<b>POWER RATING</b> (input)		
Average		20 W
Peak		3 KW
<b>STANDARD CONNECTORS</b>		2.4 mm Female
<b>WEIGHT</b> (ounces)		1.2
<b>OPERATING TEMPERATURE</b>		-54° to +85° C



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