

**2-20 GHz DIRECTIONAL DETECTORS**

**SPECIFICATIONS**

<b>FREQUENCY RANGE</b>		2-20 GHz
<b>FREQUENCY SENSITIVITY</b> (with respect to output)		± 0.6 dB
<b>DIRECTIVITY</b>		> 16 dB
<b>MAXIMUM VSWR</b> (any port)		1.35
<b>INSERTION LOSS</b>	202020010	< 1.3 dB
	202020016	< 1.0 dB
	202020020	< 0.9 dB
<b>LOW LEVEL SENSITIVITY</b>		
	202020010	> 40 $\mu\text{V}/\mu\text{W}$
	202020016	> 10 $\mu\text{V}/\mu\text{W}$
	202020020	> 4 $\mu\text{V}/\mu\text{W}$
<b>DETECTOR OUTPUT POLARITY</b>		Negative
<b>POWER RATING</b> (input)	202020010	1 W
	202020016	4 W
	202020020	10 W
<b>STANDARD CONNECTORS</b>		
RF		SMA Female
Optional:		SMA Male
DET OUT		SMA Female, BNC Female, or SMC Jack
<b>WEIGHT</b> (ounces)		2.4
<b>OPERATING TEMPERATURE</b>		-54° to +85° C

**DIMENSIONS**
