



**MODELS 101040006 & 101040006K**  
**101040010 & 101040010K**  
**101040013 & 101040013K**  
**101040020 & 101040020K**  
**101040030 & 101040030K**

**1-40 GHz DIRECTIONAL COUPLER**



**SPECIFICATIONS**

**DIMENSIONS**

<b>FREQUENCY RANGE</b>	1-40 GHz
<b>COUPLING</b> (with respect to output)	
Nominal 101040006 & 101040006K	6 ± 1.0 dB
Frequency Sensitivity	± 1.52 dB
Nominal 101040010 & 101040010K	10 ± 1.0 dB
101040013 & 101040013K	13 ± 1.0 dB
101040020 & 101040020K	20 ± 1.0 dB
101040030 & 101040030K	30 ± 1.8 dB
Frequency Sensitivity	± 1.2 dB
101040030 & 101040030K	± 1.5, 1-20 GHz ± 1.5, 20-40 GHz
<b>DIRECTIVITY</b>	> 14 dB, 1-20 GHz > 10 dB, 20-40 GHz
<b>MAXIMUM VSWR</b> (any port)	1.5, 1-20 GHz 1.7, 20-40 GHz
<b>INSERTION LOSS</b> (includes coupled power)	
101040006 & 101040006K	< 2.5 dB, 1-20 GHz < 3.5 dB, 20-40 GHz
101040010 & 101040010K	< 1.3 dB, 1-20 GHz < 2.0 dB, 20-40 GHz
101040013 & 101040013K	< 1.1 dB, 1-20 GHz < 1.8 dB, 20-40 GHz
101040020 & 101040020K	< 0.85 dB, 1-20 GHz < 1.5 dB, 20-40 GHz
101040030 & 101040030K	< 1.5 dB
<b>POWER RATING</b> (input)	
Average	20 W
Peak	3 KW
<b>STANDARD CONNECTORS</b>	
101040006/10/13/20/30	2.4 mm Female
101040006K/10K/13K/20K/30K	2.92 mm Female
<b>WEIGHT</b> (ounces)	1.3
<b>OPERATING TEMPERATURE</b>	-54° to +85° C

