



**Waveguide Broadwall Directional Coupler**

**WDC51KF-10**

**10dB, WR51, 14.5-22 GHz, Square Cover Flange, 2.92mm Female Coupled Port**

Rev 1

**Electrical**

<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	14.5-22 GHz
<b>VSWR</b>	1.10 max(Main line), 1.25 max (Secondary line)
<b>Coupling</b>	10 ± 1.5 dB
<b>Directivity</b>	25 dB min
<b>Operating Temperature</b>	-40°C ~ +70°C

**Mechanical**

<b>Waveguide Size</b>	WR51(R180)
<b>Flange Type</b>	MIL3922/70-023
<b>Flange Material and plating</b>	Aluminum, Conductive oxidation
<b>Body Material and Plating</b>	Aluminum, Painted
<b>Coupled Port</b>	2.92mm Female

**Dimensions(mm)**

