



# 5G Products

# 5G Amplifiers For Base Stations With MultiChannels

- ◆ 0.6-2.7GHz ( 10-100W)
- ◆ 2.7-6GHz (10-100W)
- ◆ 0.5-6GHz (5-100W)
- ◆ 6-8GHz (10-100W)
- ◆ 24-29GHz 10W
- ◆ 64-71GHz 1W.

# 5G Frequency Bands

Country/Region	Sub-6Ghz	Above 6Ghz
U.S.	600MHz 3.1-3.5GHz 3.7-4.2GHz	27.3-28.35GHz 27-40GHz 64-71GHz
Europe	694-790Mhz 2.3GHz, 3.4-3.8Ghz	24.25-27.5GHz
Japan	3.6-4.2GHz 4.4-4.9GHz	27.5-28.25GHz
China	3.3-3.6Ghz 4.4-4.5GHz 4.8-4.98GHz	24.25-27.5GHz 37.25-43.5GHz
Korea		26.5-29.5GHz
India	3.4-3.6GHz	24.5-29.5GHz

# 5G Products

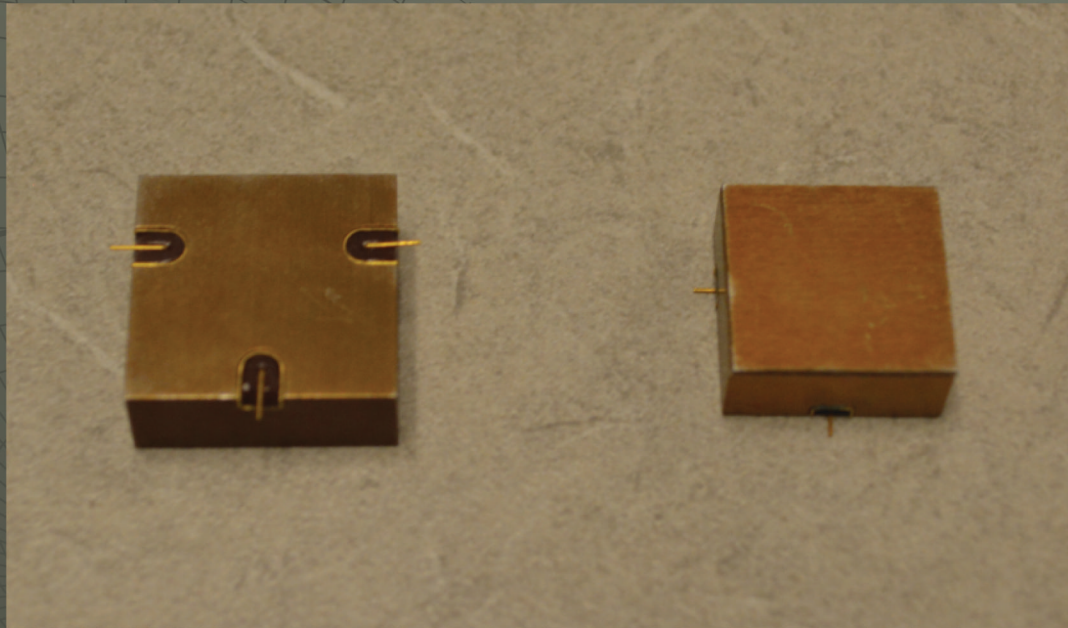
- ◆ Amplifiers
- ◆ Switches
- ◆ Converters
- ◆ BandPass Filters
- ◆ Couplers
- ◆ Waveguide Products
- ◆ Circulators
- ◆ Attenuators
- ◆ Terminations
- ◆ Mixers
- ◆ Sources
- ◆ Radios
- ◆ Antennas
- ◆ Cable assemblies



# SMT Circulators 5G



# Surface Mount Circulators 5G



# Microstrip Isolators and Circulators For 5G & Military Applications



## New Amplifier Modules ( GaAs )

- ◆ 0.5-6GHz 10W-25W ( EMC )
- ◆ 0.5-8 GHz 3W, 5W, 8W , 15W ( P1dB )
- ◆ 1-20GHz 5W, 10W, 15W
- ◆ 1-40GHz, 2W,4W,5W,10W
- ◆ 18-26.5 GHz 5W,10W, 15W
- ◆ 18-40 GHz 2W,4W,5W P1dB
- ◆ 26.5-40 GHz 1W, 2W,3W,4W,5W
- ◆ 27.5-31GHz 10-30W ( 5G )
- ◆ 40-49GHz 1W, 2W, 3W
- ◆ 55-60GHz/58-63GHz 1W-5W
- ◆ 92-96GHz 1W-10W



## New Amplifier Modules ( GaN )

- ◆ 0.7-6 GHz, 30W, 50W, 100W Psat
- ◆ 20Mhz-6GHz 25W Psat
- ◆ 8-12 GHz 100W Psat
- ◆ 6-18 GHz 100W Psat
- ◆ 2-18 GHz 20W Psat

## Goals & Directions

- ◆ TO BE A ONE-STOP SOLUTION FOR MICROWAVE AND MILLIMETER-WAVE PRODUCTS