

# Reactel, Incorporated

Reacting First to All Your Filter Needs.

## 2.4 GHz Band Diplexer

Reactel, Incorporated's 2.4 GHz diplexers are specifically designed for point-to-point and wireless radio systems. These robust units can be tuned for operation at any frequency along the popular 2.3 to 2.6 GHz band. The data shown below is just an example of the many diplexers we have provided in this band. Please contact us with your specific requirement, so that we can provide a unit unique to your needs.



### Specifications

Channel 1 Center Frequency	2407 MHz
Channel 2 Center Frequency	2457 MHz
1 dB Passbands	20 MHz, minimum
Insertion Loss	$\leq 2.0$ dB @ CF's $\leq 2.5$ dB @ Passbands
Return Loss	$\geq 15$ dB @ Passbands
Attenuation	$\geq 65$ dB @ CF's $\pm 65$ MHz $\geq 115$ dB @ CF's $\pm 80$ MHz
Channel to Channel Isolation	$\geq 90$ dB ( $\geq 115$ dB @ CF to CF)
Connectors	SMA Male in / SMA Female out
Size	1.025" high x 2.5" wide x 5.4" long, nominal excluding connectors