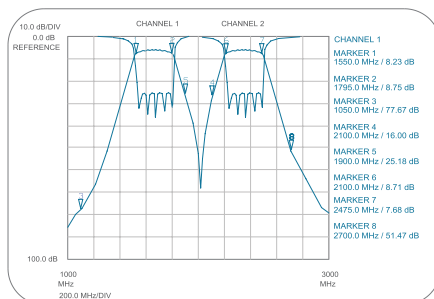
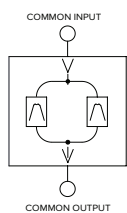


Diplexers and Integrated Multi-band Custom Options

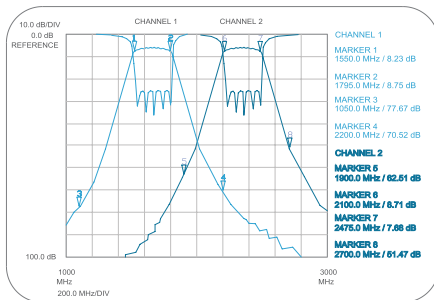
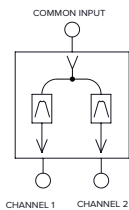
Knowles' expertise delivers highly efficient and frequency selective integrated multi-band solutions in a variety of configurations for the most targeted performance (up to 4 bands), including COTS PNs for Telecom Applications. This approach not only saves space but also streamlines design and placement through integration.



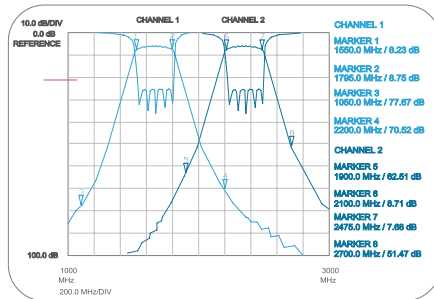
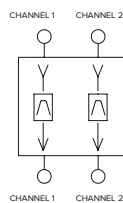
DUALBAND OR MULTIBAND



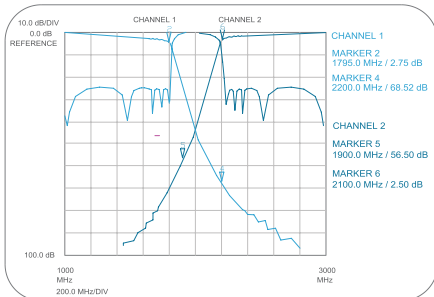
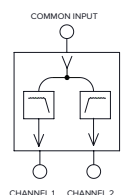
DIPLEXER, DUPLEXER OR MULTIPLEXER



FILTERBANK, DUALBANK OR MULTIBANK



HI/LO DIPLEXER, DUPLEXER OR MULTIPLEXER



ADP09388 28 and 40GHz Diplexer (SMD) with 1 Input, 2 Outputs

	PARAMETER	FREQUENCY RANGE (GHZ)	SPEC (DB)
LOW BAND	Maximum Insertion Loss	26.5 - 29.5	4.5
	Minimum Return Loss	26.5 - 29.5	10
	Minimum Low Side Rejection	DC - 23.5	35
	Minimum High Side Rejection	32.0 - 43.0	35
HIGH BAND	Maximum Insertion Loss	37.0 - 40.0	4.5
	Minimum Return Loss	37.0 - 40.0	10
	Minimum Low Side Rejection	DC - 33.0	40
	Minimum High Side Rejection	44.0 - 55.0	25
SIZE (nominal)	L x W x H	0.335 x 0.180 x 0.070	inches
	L x W x H	8.51 x 4.57 x 1.52	mm

AFL09387 28 and 40GHz Dual Filter (SMD) with 2 Inputs, 2 Outputs

	PARAMETER	FREQUENCY RANGE (GHZ)	SPEC (DB)
LOW BAND	Maximum Insertion Loss	26.5 - 29.5	4.5
	Minimum Return Loss	26.5 - 29.5	10
	Minimum Low Side Rejection	DC - 23.5	35
	Minimum High Side Rejection	32.0 - 43.0	35
HIGH BAND	Maximum Insertion Loss	37.0 - 40.0	4.5
	Minimum Return Loss	37.0 - 40.0	10
	Minimum Low Side Rejection	DC - 33.0	40
	Minimum High Side Rejection	44.0 - 55.0	25
SIZE (nominal)	L x W x H	0.275 x 0.187 x 0.060	inches
	L x W x H	6.99 x 4.75 x 1.52	mm

Knowles' Customized Designs Frequency Range: DC – 40 GHz

Available Technology:

- Microstrip
- Ceramic
- Cavity
- Lumped Element

Available Configurations:

- Surface Mount (SMD)
- Chip and Wire (Wirebond)
- PC Mount
- Connectorized
- Customized
- RoHS
- Hermetic