



n261 5G Band Pass Filter, 28GHz

BP279BW09S

FEATURES

- Low Insertion Loss
- Frequency Stable over Temperature
- Small Size
- Characteristic Impedance: 50Ω - -55°C to $+125^\circ\text{C}$
- Fully Shielded Component
- Moisture Sensitivity Level: MSL2A
- Solderable Surface Mount Package
- CTE Matched to standard PCB material
- Customizable to other frequencies and bandwidths

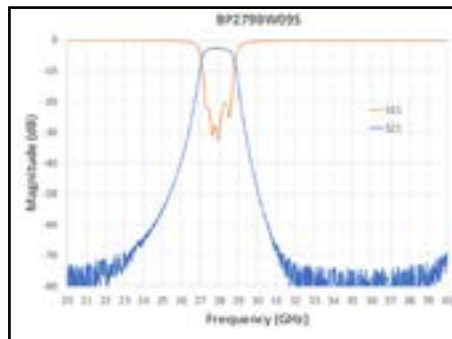
APPLICATIONS

- 5G Radio
- Radar
- Millimeter wave applications
- Cellular
- Mobile applications
- General purpose wireless
- Internet of Things
- B2B

GENERAL DESCRIPTION

The 5G Band Pass Filter is a high performance, low cost, surface mount component. The filter typically has a 3.5 dB insertion loss over an 850 MHz bandwidth. Filter was specifically designed for a n261 5G operating band application. This small size filter has minimal variation in performance and is also highly repeatable from filter to filter. The filter is a RoHS-compliant industry-standard device.

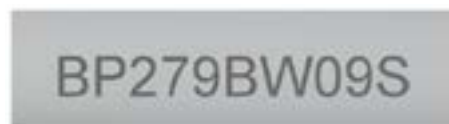
FUNCTIONAL BLOCK DIAGRAM



Parameter	Frequency Range (GHz)	Min	Typ.	Max
Insertion Loss (dB)	27.5 -28.35	3	.5	.4
VSWR			1.5	2.0
Low Side Rejection (dB)	DC- 25.5 -	40	50	
High Side Rejection (dB)	30- 40 -	40	50	
Input Power (dBm)				+40
Size (L x W x H)	0.44 x 0.118 x 0.031 in 11.18 x 3.00 x 0.80 mm			



TOP VIEW



ISOMETRIC VIEW

