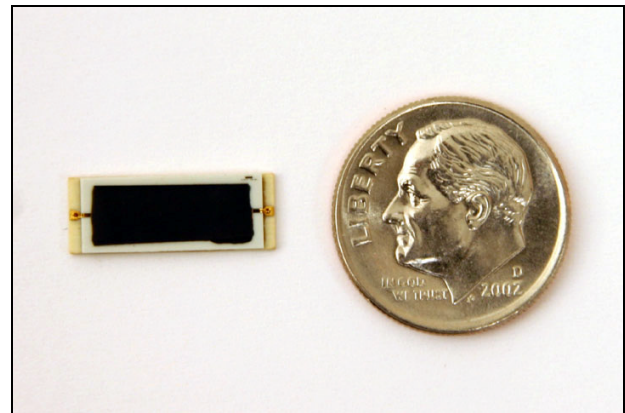




PRODUCT INFORMATION

SURFACE MOUNT LOW PASS FILTERS

- **Surface Mount Technology with Very Small Form Factor**
- **Excellent Eye Diagram Performance**
- **Bessel-Thompson (BT4) Like Response**
- **Absorptive Filter with Near Linear Group Delay**
- **Thin-film on ceramic technology**
- **Custom Cut-off Frequency Designs Available**



Picosecond Pulse Labs (PSPL) Surface Mount low pass filters are intended for use in communications systems links and similar products. These thin-film technology filters incorporate an absorptive "Gaussian" design that minimizes signal reflections and maximizes eye diagram performance. Both standard and custom cut-off frequencies are available. Contact PSPL for more detailed specifications or to discuss a custom design.

In addition, PSPL also offers bias tees and DC blocks in Surface Mount.

PARAMETER	SPECIFICATIONS	COMMENTS:
-3dB Bandwidth, Cut-off Frequency (f_o)	1.5 GHz to 10GHz, user specified	Data measured at -3 dB
f_o Tolerance	$\pm 3\%$	Data measured at 23C
Insertion Loss	0.3 dB typical	Data measured at 100 MHz
Impedance	50 Ω	
Return Loss (for 2.8GHz example filter)	20 dB typical 14 dB typical	Frequency < 6GHz Frequency < 10GHz
Standard Operating Temperature	0 to 85C	
Storage Temperature	-40 to 125C	
Maximum Input AC Power	29 dBm	Rated at f_o