

Coaxial Ceramic Duplexers

Spectrum Control duplexers are designed using the same tools and components as the BP Series bandpass filters. Duplexers are available in the same thru-hole and surface mount package designs. Spectrum duplexers allow for a common antenna connection while providing excellent isolation between transmit and receive frequencies.

Ordering information

The part number shown represents a duplexer filter with a 3 mm resonator cross-section, a transmit center frequency of 836 MHz, a receive center frequency of 881 MHz, and it is for surface mounting.

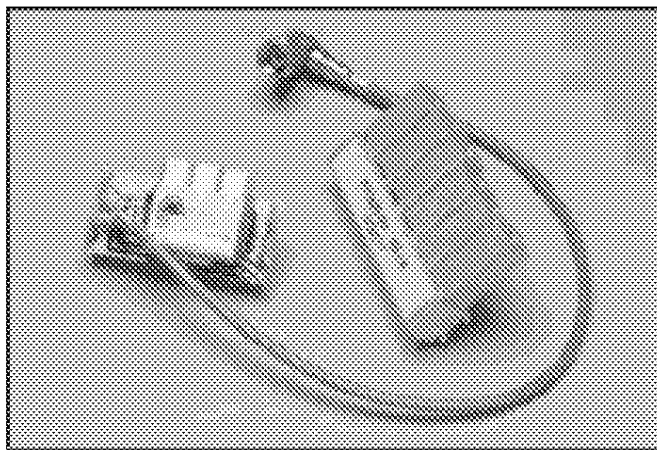
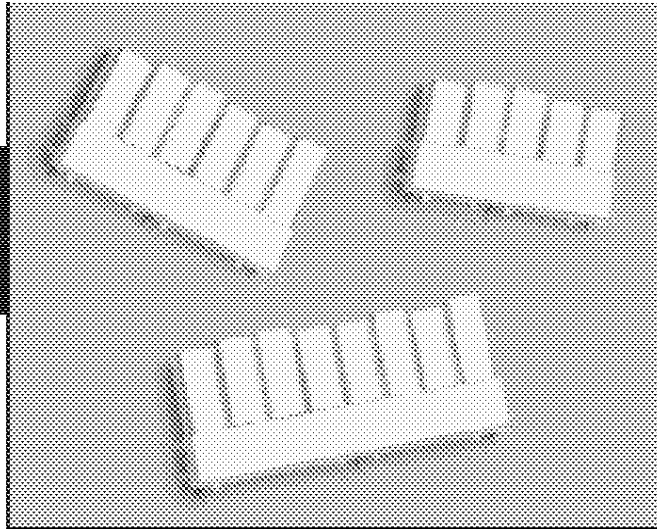
Example: **DPCT0836R0881S**

DP	C	T	0836	R	0881	S
Duplexer Filter	Resonator Cross-Section	Transmit	Center Frequency fo (MHz)	Receive	Center Frequency fo (MHz)	Mounting Type
	B = 2 mm		Use 4 digits		Use 4 digits	L = Leaded
	C = 3 mm					S = Surface Mount
	D = 4 mm					
	F = 6 mm					
	L = 12 mm					

Design Capabilities

Spectrum Control uses a wide range of tools in the design of bandpass filters. The easiest to use are the reference charts which determine the number of resonators, the required Q and the size of the resonators for a given requirement. For the most difficult applications, we utilize our most advanced design tool, 3 Dimensional Finite Element Analysis software.

These design tools allow Spectrum Control to work with our customers on "what if" questions. We have an experienced engineering group with expertise in many technical areas. By working with our customers during the conceptual phase of the design process, we can make suggestions to meet the design, cost, and performance criteria **you** require.



Value added manufacturing