

Engineering Development Model

Diplexer Surface Mount

DPLX-EDU1044+

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

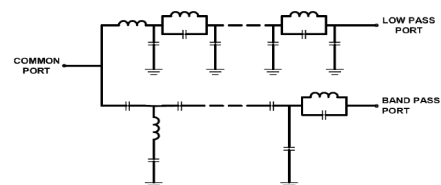


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CASE STYLE : 99-01-1348

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C							
Parameter		Port	Frequency (MHz)	Min.	Typ.	Max.	Units
Passband	Insertion Loss	Lowpass	50-870	-	0.6	2.5	dB
		Bandpass	950-1125	-	1	2.5	dB
			1125-1550	-	0.8	2	dB
	Return Loss	Lowpass	50-300	16	20	-	dB
			301-600	14	18	-	dB
			601-870	12	16	-	dB
		Bandpass	950-1400	14	20	-	dB
			1400-1550	14	20	-	dB
		Common	50-300	16	20	-	dB
			301-600	14	18	-	dB
			601-870	12	16	-	dB
			950-1400	14	20	-	dB
			1400-1550	14	20	-	dB
Stop band isolation	Lowpass	950-975	30	35	-	dB	
		975-1055	35	45	-	dB	
		1055-1550	40	50	-	dB	
		1790-2100	20	35	-	dB	
	Bandpass	50-870	35	45	-	dB	
		2000-3000	20	35	-	dB	
Crossover isolation	Lowpass to Bandpass	50-870	35	45	-	dB	
		950-975	30	35	-	dB	
		975-1055	35	45	-	dB	
		1055-1550	40	50	-	dB	

Functional Schematic



MAXIMUM RATINGS	
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +100°C
RF Power Input	250mW

PIN CONNECTIONS	
Highpass port	10
Lowpass port	4
Common port	2
Ground	1,3,5,6,7,8,9



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