

DOUBLE-BALANCED MIXER

CONNECTORIZED MODEL: CLK-7B5S

WIDE BANDWIDTH

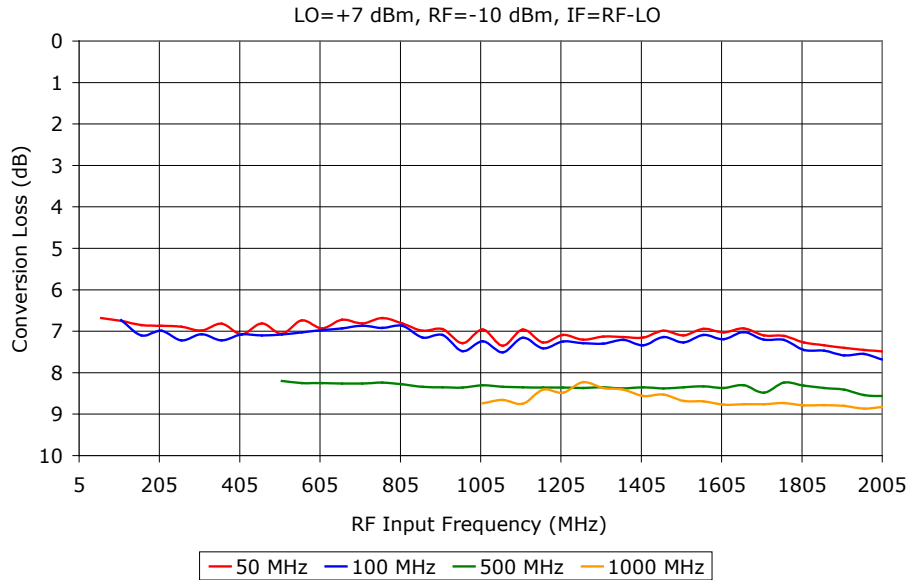
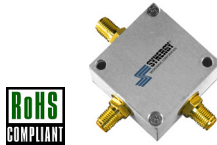
5 - 2000 MHz

FEATURES:

- ▶ High Performance
- ▶ High Interport Isolation
- ▶ Broad Bandwidth IF
- ▶ Good IF Matching
- ▶ Flat Conversion Loss Response

APPLICATIONS:

- ▶ Narrow Band & Broadband Up/Down Conversion.



SPECIFICATIONS

Frequency (MHz)	LO/RF 5 - 2000	IF DC - 1000	
Conversion Loss (dB)	Freq. (MHz)	Typ.	Max.
	10 - 1000	7.0	8.5
Isolation (dB)	LO/RF		
	Freq. (MHz)	Typ./Min.	
	5 - 50	65/55	
	50 - 1000	42/32	
	1000 - 2000	38/28	
	LO/IF (dB)		
Freq. (MHz)	Typ./Min.		
5 - 50	55/40		
50 - 1000	32/25		
1000 - 2000	35/23		
LO Power	+7 dBm (Nom.)		
1 dB Compression Point	+1 dBm (Typ.)		
Input IP ³	+13 dBm (Typ.)		
RF Input Power	100 mW (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 110LF

All Dimensions in inches (mm)

Tolerances: 2 PL. ±0.030 inch. (0.762mm)
3 PL. ±0.015 inch. (0.381mm)

A - 1.250 inch. (31.75 mm)
B - 1.250 inch. (31.75 mm)
C - 0.750 inch. (19.05 mm)
D - 0.375 inch. (9.525 mm)
E - 1.000 inch. (25.4 mm)
F - 1.000 inch. (25.4 mm)
G - ∅0.136 inch. (3.45 mm)
H - 0.625 inch. (15.875 mm)
I - 0.625 inch. (15.875 mm)

THRU-HOLES (2 PLACES)

PORT CONFIGURATION

RF	LO	IF
1	3	2

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PERFORMANCE PLOTS

