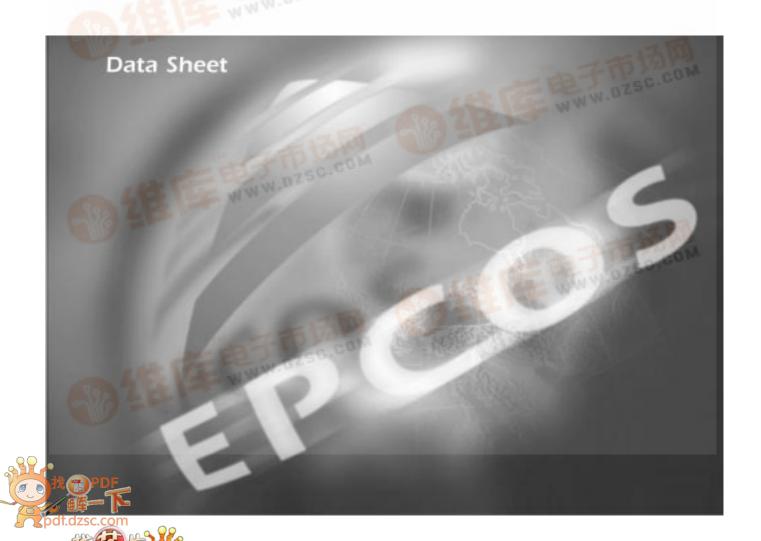


SAW Components

Data Sheet B 595





SAW Components B 595
Bandpass Filter 140,0 MHz

Data Sheet

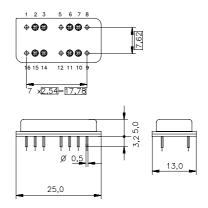
Metal package DIP 16

Features

- High performance IF bandpass filter
- Constant group delay
- Hermetically sealed metal package

Terminals

Gold plated NiFeCo alloy



Dimensions in mm, approx. weight 4,2 g

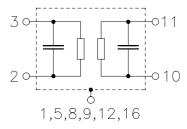
Pin configuration

2	Input - ground			
3	Input			
4.0	O (

10 Output - ground

11 Output

1, 5, 8, 9, 12, 16 Case - ground 6, 7, 14 15 Not connected



Туре	Ordering code	Marking and Package according to	Packing according to		
B 595	B39141-B 595-E110	C61157-A7-A11	F61064-V8013-Z000		

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	- 40/+ 85	°C	
Storage temperature range	$T_{\rm stg}$	- 40/+ 85	°C	
DC voltage	$V_{\rm DC}^{\rm ag}$	0	V	
Source power	$P_{\rm s}$	15	dBm	source impedance 50 Ω





SAW Components B 595

Bandpass Filter 140,0 MHz

Data Sheet

Characteristics

			min.	typ.	max.	
Center frequency		$f_{\mathbb{C}}$	139,75	140,00	140,25	MHz
(center between 6 dB	points)					
Insertion attenuation at f _C		α_{C}	_	30,0	31,0	dB
Pass band tilt			_	0,005	_	dB/MHz
Amplitude ripple (p-p	o) 119,0 161,0 MHz	Δα	_	0,3	0,6	dB
Phase ripple (p-p)	119,0 161,0 MHz	Δα	_	2,3	4,0	0
Pass bandwidth						
	$\alpha_{rel} \leq$ 1 dB	B_{1dB}	45,0	45,7	46,5	MHz
	$\alpha_{rel} \leq 3 dB$	B_{3dB}	48,0	48,5	49,0	MHz
	$\alpha_{\text{rel}} \leq$ 40 dB	B _{40dB}	_	59,5	60,0	MHz
Relative attenuation (relative to α_{C})		α_{rel}				
	10,0 109,5 MHz		40,0	46,0	_	dB
	170,5 230,0 MHz		36,0	38,0		dB
	230,0 240,0 MHz		_	20,0	_	dB
Reflected wave signa	al suppression					
$0,25~\mu s~~2,25~\mu s$ after main pulse			50,0	55,0	_	dB
Group delay at $f_{\mathbb{C}}$		τ_{C}	_	0,75	_	μs
Temperature coefficient of frequency		TC _f	_	- 87	_	ppm/K

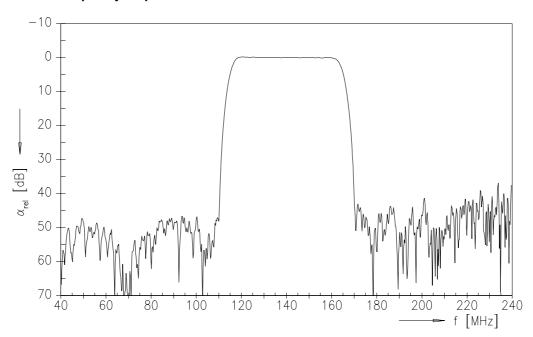




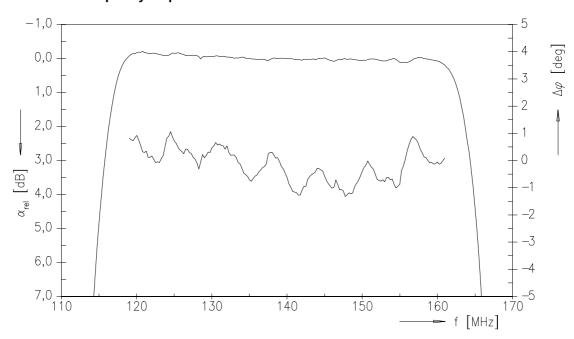
SAW Components B 595
Bandpass Filter 140,0 MHz

Data Sheet

Normalized frequency response



Normalized frequency response







SAW Components B 595
Bandpass Filter 140,0 MHz

Data Sheet

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