



Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	69.99	71	70.016	
Insertion Loss	dB	-	17.7	21	
2.3 dB Bandwidth	MHz	0.2	0.21	-	
2.5 dB Bandwidth	MHz	-	0.22	-	
3 dB Bandwidth	MHz	-	0.24	-	
45 dB Bandwidth	MHz	-	0.74	0.8	
Passband Variation	dB	-	0.1	0.5	
Group Delay Variation($f_0 \pm 0.1\text{MHz}$)	nsec	-	150	500	
Absolute Delay	usec	-	3.72	4	
Ultimate Rejection	$f_0 \pm 0.4\text{MHz}$	dB	45	54	-
	$f_0 \pm 0.6\text{MHz}$	dB	55	58	-
	$f_0 \pm 1\text{MHz} \sim f_0 \pm 5\text{MHz}$	dB	60	61	-
Material Temperature coefficient	KHz/°C	0.07			
Substrate Material	-	Qz			
Ambient Temperature	°C	25			
Operating Temperature Range	°C	-40	-	+85	
Storage Temperature Range	°C	-45	-	+105	
DC Voltage	V	0			
Input Power	dBm	-	-	10	
ESD Class	-	1C			
Package Size	DIP3616 (36.0x16.0x5.0mm3)				

Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	UE71-0.2	
		Rev. Date	2011-02-22	
		Ver.	2.0	Page

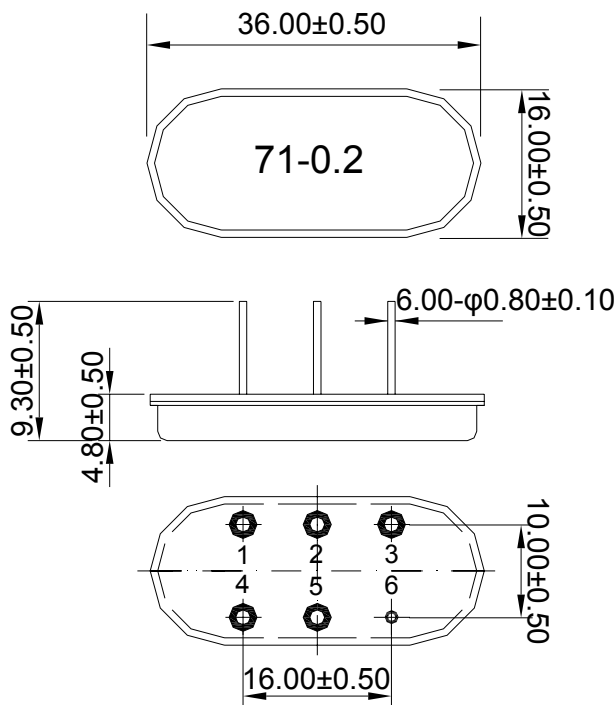
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input 3
Output 4
Ground All Others

Marking Configuration:

1) 71-0.2: Part Number

Package: DIP3616

Unit: mm

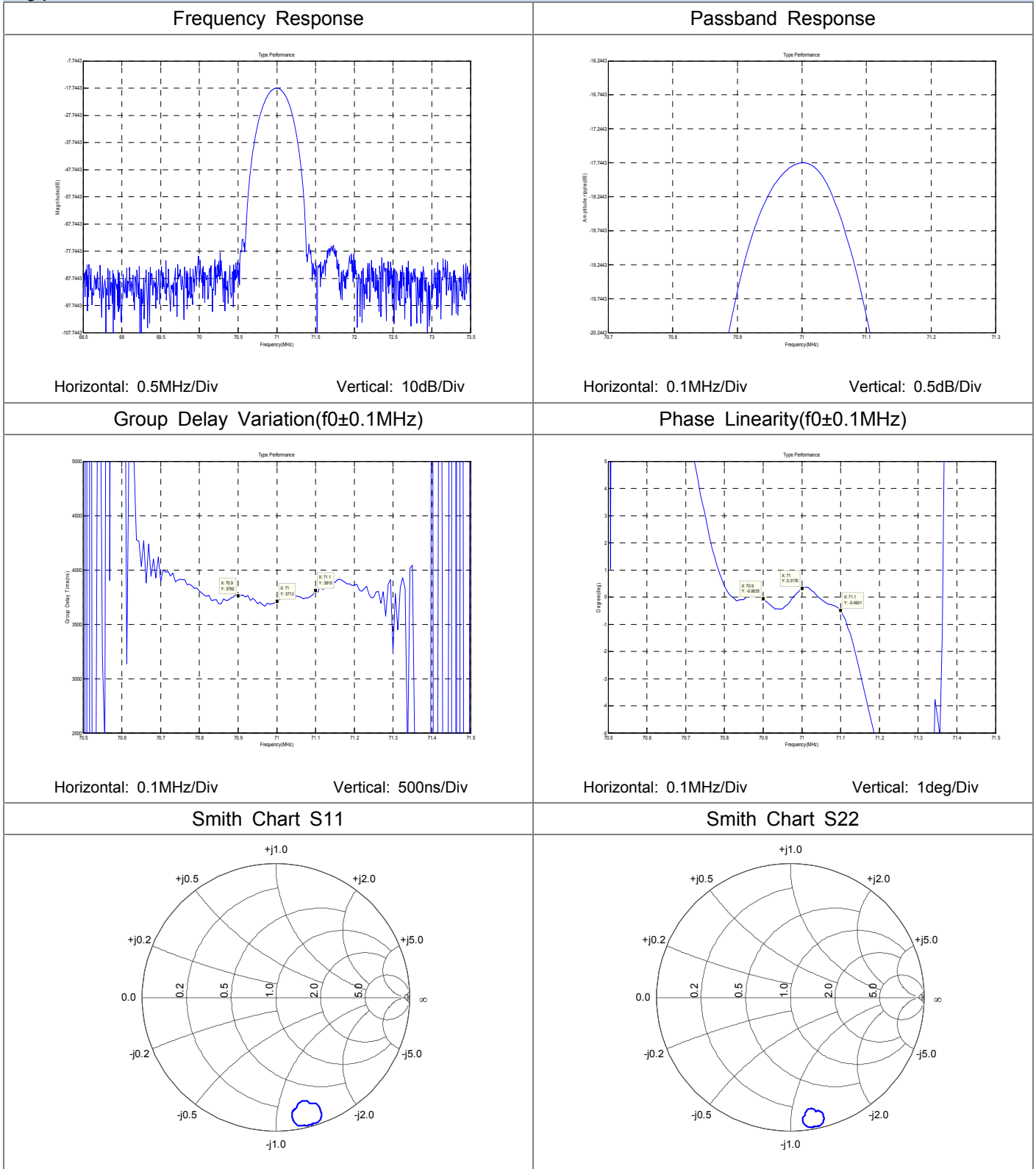


SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	UE71-0.2	
Rev. Date	2011-02-22	
Ver.	2.0	Page 2/3



Typical Performance



SIPAT Co., Ltd.
(CETC No.26 Research Institute)
#14 Nanping Huayuan Road,
Chongqing, China, 400060

Part Number	UE71-0.2	
Rev. Date	2011-02-22	
Ver.	2.0	Page 3/3