



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SMD 1842.5MHz SAW FILTER

AFS1842.5S4

APPLICATION: Cellular Phone



3 x 3 x 1.5mm

STANDARD SPECIFICATIONS:

CHARACTERISTICS	UNIT	MIN.	TYP.	MAX.
Center Frequency Fc	MHz	-	1842.5	-
Bandwidth	MHz	-	$F_c \pm 37.5$	-
Insertion Loss @ Passband				
1805 ~ 1815 MHz @ (15°C ~ +70°C)	dB	-	-	3.3
1805 ~ 1815 MHz @ (-20°C ~ 15°C)	dB	-	-	3.7
1815 ~ 1870 MHz	dB	-	-	3
1870 ~ 1880 MHz	dB	-	-	3.6
Ripple @ Passband	dB	-	-	N/A
Relative Attenuation				
0 ~ 1720 MHz	dB	20	-	-
1720 ~ 1765 MHz	dB	25	-	-
1765 ~ 1785 MHz	dB	8	-	-
1920 ~ 1980 MHz	dB	15	-	-
1980 ~ 2410 MHz	dB	17	-	-
2410 ~ 3120 MHz	dB	20	-	-
3120 ~ 4000 MHz	dB	17	-	-
DC Voltage	V	10		
Source Power	dBm	15		
Operating Temperature	°C	-20°C to +70°C		
Storage Temperature	°C	-40°C to +85°C		
Return Loss @ 1805 ~ 1880	MHz	6		

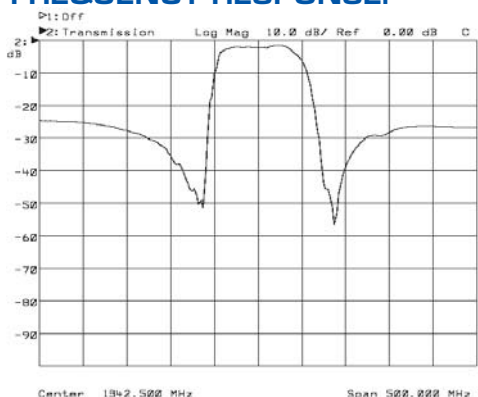
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

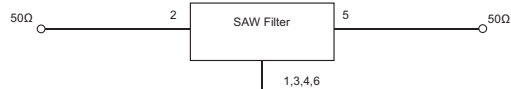
- 1575.42 (1575.42 Frequency in MHz)
- AF ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004
X: Traceability code)

PIN NO.	CONNECTIONS
2	Input
5	Output
1,3,4,6	Ground

FREQUENCY RESPONSE:



TEST CIRCUIT:



OUTLINE DRAWING:

