

HF36S1

This item can replace X7350P



Approved by:
Checked by:
Issued by:

SPECIFICATION

PRODUCT: SAW FILTER

MODEL: HF36S1 SMD (X7350P)

HOPE MICROELECTRONICS CO.,LIMITED

Maximum Ratings

Operable temperature range	-25 ~65 °C	
Storage temperature range	-40~85 °C	
DC voltage	12 V	between any terminals
AC voltage	10 V	between any terminals

Electrical Specification

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	36.13 MHz	19.2	20.7	22.2	dB	
Pass Bandwidth $\alpha_{rel} \cong 1\text{dB}$ $\alpha_{rel} \cong 3\text{dB}$ $\alpha_{rel} \cong 30\text{dB}$	$B_{1\text{dB}}$	-	7.4	-	MHz	
	$B_{3\text{dB}}$	-	7.9	-	MHz	
	$B_{30\text{dB}}$	-	10.0	-	MHz	
Relative Attenuation	25.0~30.15 MHz	-	-36	-30	dB	
	30.15~31.25 MHz	-	-35	-28	dB	
	31.25 MHz	-	-36	-28	dB	
	32.13 MHz	-4.6	-3.6	-2.6	dB	
	32.32 MHz	-	-1.7	-	dB	
	36.13MHz	-	0	-	dB	Reference
	39.94 MHz	-2.5	-1.5	-0.5	dB	
	40.13 MHz	-4.1	-3.1	-2.1	dB	
	47.25 MHz	-	-40	-37	dB	
	41.30~42.00 MHz	-	-37	-30	dB	
	42.00~50.00 MHz	-	-39	-33	dB	
Amplitude Ripple	32.32~39.94 MHz	0	0.5	1.0	dB	
Group Delay Ripple	$\Delta\tau$	-	40	-	ns	
Input Impedance	Rin (36.13MHz)	-	3.4	-	K Ω	
	Cin (36.13MHz)	-	12.3	-	pF	
Output Impedance	Rout (36.13MHz)	-	3.9	-	K Ω	
	Cout (36.13MHz)	-	3.1	-	pF	
Temperature Coefficient of Frequency		-	-72	-	ppm/°C	

Frequency Characteristics

