

# SF0070Y3

## • Specifications

Item	Unit	Min	Typical	Max
Center Frequency, $f_c$	MHz		70.228	
Insertion Loss <sup>1)</sup>	dB		22.0	25.0
1dB Bandwidth	MHz		10.45	
3dB Bandwidth	MHz	10.7	10.74	
30dB Bandwidth	MHz		11.66	12.0
40dB Bandwidth	MHz		11.76	
Passband Ripple <sup>2)</sup>	P-P dB		1.04	1.5
Group Delay Ripple <sup>2)</sup>	P-P nsec		50	350
Phase Linearity <sup>2)</sup>	rms degree		1.92	6.0
Ultimate Rejection	dBc	40.0	54.0	
Operating Temperature Range	°C	20	25	30
Absolute Group Delay	usec		1.47	
Package	mm <sup>3</sup>	13.3x6.5x2.0		
Notes	1) Insertion loss with matching circuit 2) $f_c - 5\text{MHz} \sim f_c + 5\text{MHz}$			

## • Matching Circuit

