

SA1575FL1 GPS Balanced Filter

Specifications

PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42~1576.42	dB	-	2.1	2.6
Source Impedance (single ended) ¹	Ω	-	50	-
Load Impedance (single ended) ¹	Ω	-	100	-
Operating Temperature range	°C	-30	-	+85
Amplitude Ripple within 1574.42~1576.42 MHz	dB _{p-p}	-	0.1	0.5
Attenuation				
D.C. ~ 1400 MHz	dB	30	35	-
1400 ~ 1475 MHz	dB	25	30	-
1475 ~ 1525 MHz	dB	18	33	-
1625 ~ 1640 MHz	dB	10	15	-
1640 ~ 2000 MHz	dB	20	24	-
2000 ~ 3000 MHz	dB	30	34	-
Input VSWR within 1574.42 ~ 1576.42 MHz	-	-	1.2	1.8
Output VSWR within 1574.42 ~ 1576.42 MHz	-	-	1.4	1.8
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	20
Symmetry in band (1574.42 ~ 1576.42 MHz)				
Output Amplitude balance(S31/S21)	dB	-1.5	0.5	1.5
Output phase balance (Φ(s31)- Φ(s21)+180)	degree	-15	9.4	15
Package type & size				
Length x width	mm ²	-	2.5 x 2.0	-
Height	mm	-	-	1.0

Notes:(1) With Matching Network

- Please consult us for customized specifications.
- All specifications and marking subjected to change without notice.