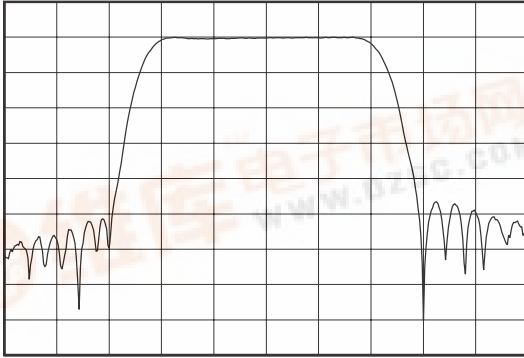




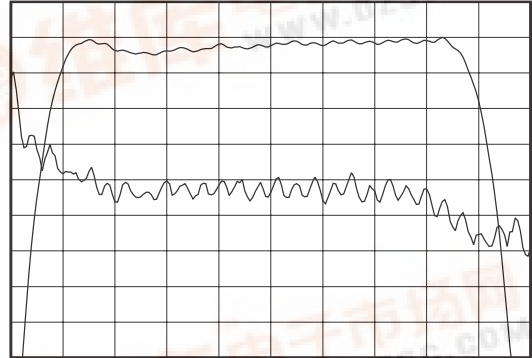
570 MHz Bandpass Filter
17 MHz Bandwidth
Part Number 855869

Data Sheet

Typical Performance



Horizontal: 5 MHz/Div
 Vertical: 10 dB/Div



Horizontal: 2.5 MHz/Div
 Vertical: 1 dB/Div
 Vertical: 20 nsec/Div

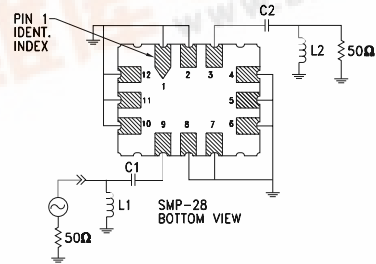
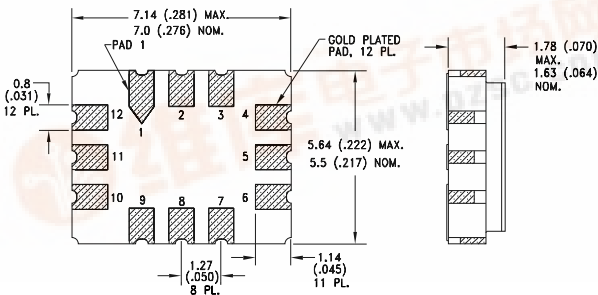
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	570	-
Minimum Insertion Loss	dB	-	15.8	17.2
1 dB Lower Frequency	MHz	-	559.9	561.5
1 dB Upper Frequency	MHz	578.5	579.6	-
Attenuation @ 548 MHz	dB	26	56.8	-
Attenuation @ 553 MHz	dB	19	51.7	-
Attenuation @ 555 MHz	dB	13	58.5	-
Attenuation @ 557 MHz	dB	10	21	-
Attenuation @ 583 MHz	dB	10	23.9	-
Attenuation @ 585 MHz	dB	13	61.3	-
Attenuation @ 587 MHz	dB	19	55.8	-
Attenuation @ 592 MHz	dB	26	53.1	-
Passband Ripple (561.5 - 578.5 MHz)	dB p-p	-	0.16	1
Group Delay Variation (561.5 - 578.5 MHz)	nsec	-	25	100
Input / Output VSWR (561.5 - 578.5 MHz)	-	-	1.655	2.0:1
Substrate Material	-	-	LiTaO ₃	-
Operating Temperature Range	°C	-20	25	60

Package Outline

Matching Configuration

Specifications subject to change or obsolescence without notice



L1 = 4 nH , L2 = 4 nH
 C1 = 8 pf , C2 = 6 pf
 Nominal Source/Load Impedance = 50 Ω
 Package Style SMP-28

8/24/00

