

SGC Technologies, Inc.

PRODUCT SPECIFICATION FOR INFORMATION

PRODUCT NAME: SBP-8R8 TYPE

PART NO: SBP-8R8-972BP27M

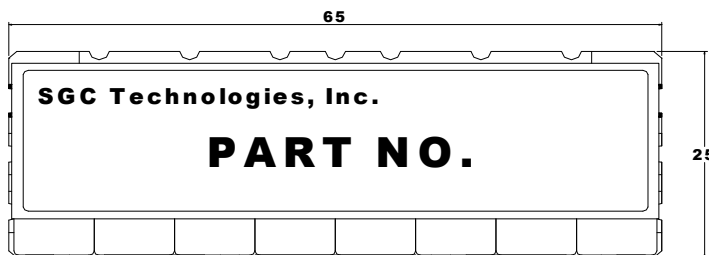
Center frequency	972.5MHz
Pole	8
Band width (BW)	$F_0 \pm 13.5\text{MHz}$
Insertion Loss	4.0 dB max
VSWR in BW	1.5 max
Ripple in BW	1.0 dB max
Attenuation	45 dBc min @ 934 & 1011MHz 65 dBc min @ 661 & 1284MHz
In/Out Impedance	50 ohm

NOTE:

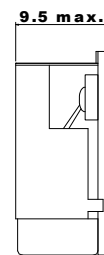
EQUIPMENT used :HP 8753E

DIMENSION:

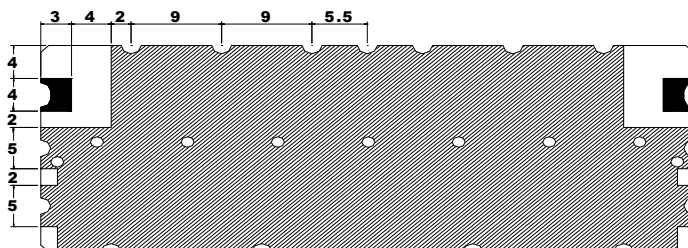
TOP VIEW



SIDE VIEW



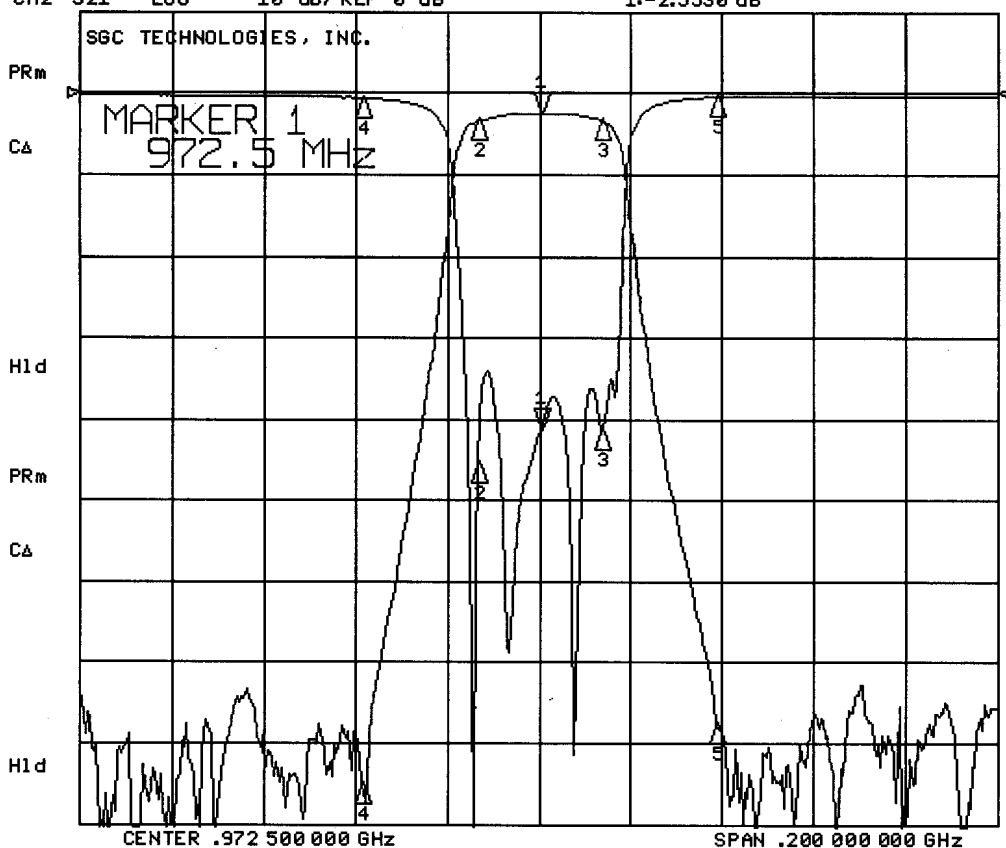
BOTTOM VIEW



TOLERANCE UNLESS OTHERWISE SPECIFIED : ± 0.3
DIMENSIONS : mm

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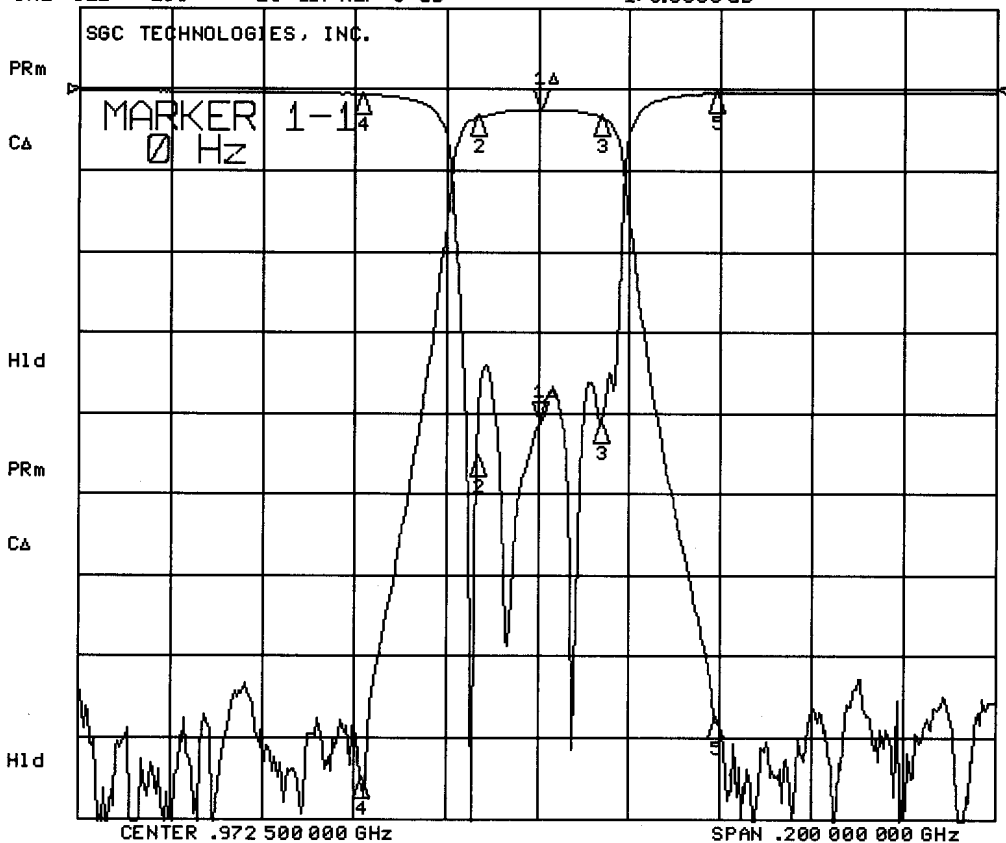
CH1 S11 LOG 5 dB/REF 0 dB 1:-20.704 dB .972 500 000 GHz
CH2 S21 LOG 10 dB/REF 0 dB 1:-2.5530 dB



CH1 Markers
 2:-22.725 dB
 959.000 MHz
 3:-20.685 dB
 986.000 MHz
 4:-28.400 dB
 934.000 MHz
 5:-22.600 dB
 1.01100 GHz

CH2 Markers
 2:-3.3950 dB
 959.000 MHz
 3:-3.3040 dB
 986.000 MHz
 4:-85.057 dB
 934.000 MHz
 5:-77.523 dB
 1.01100 GHz

CH1 S11 LOG 5 dB/REF 0 dB 1: 0.0000 dB 0.000 000 000 GHz
CH2 S21 LOG 10 dB/REF 0 dB 1: 0.0000 dB



CH1 Markers
 ΔREF=1
 2:-2.0210 dB
 -13.5000 MHz
 3: .01800 dB
 13.5000 MHz
 4: 20.419 dB
 -38.5000 MHz
 5: 20.477 dB
 38.5000 MHz

CH2 Markers
 2:-.84100 dB
 -13.5000 MHz
 3:-.75100 dB
 13.5000 MHz
 4:-82.503 dB
 -38.5000 MHz
 5:-74.969 dB
 38.5000 MHz