

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

**PRODUCT NAME: SDPX-7R6-TYPE**

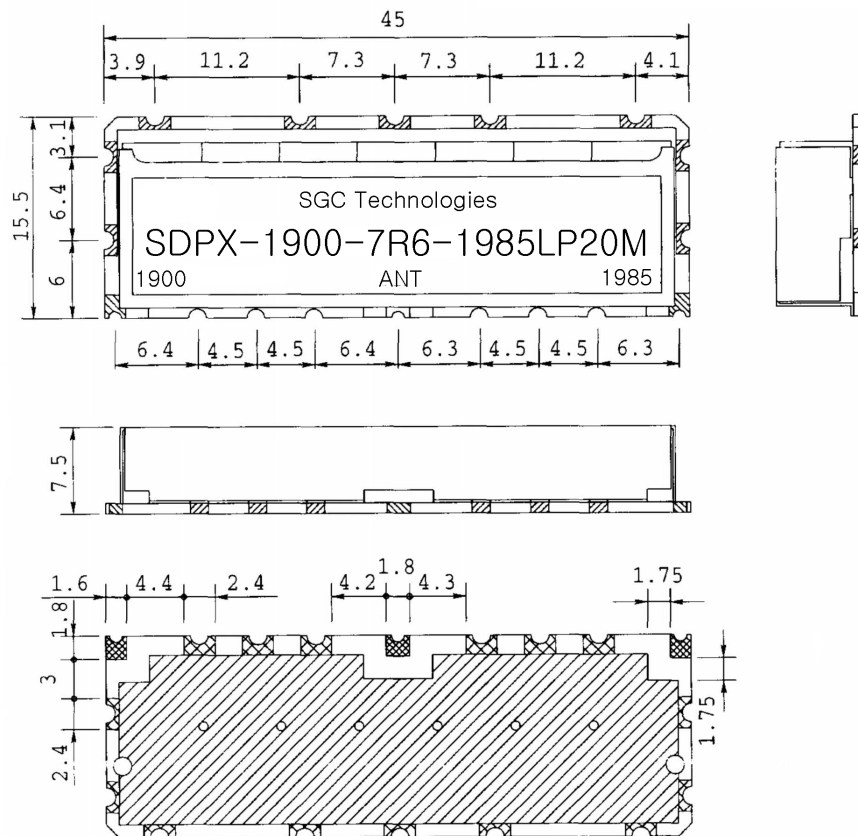
**PART NO: SDPX-1900-7R6-1985LP20M**

Center frequency	1900 MHz	1985 MHz
Pole	4	4
Bandwidth(BW)	Fo ±10.0 MHz	Fo ±10.0 MHz
Insertion Loss	2.0 dB MAX	2.5 dB MAX
VSWR in BW	1.4 MAX	1.4 MAX
Ripple in BW	1.0 dB MAX	1.0 dB MAX
Attenuation	50dB MIN at 1975MHz-1995MHz	50dB MIN at 1890MHz-1910MHz
In/Out Impedance	50 ohm	50 ohm

**NOTE:**

EQUIPMENT used :HP 8753E

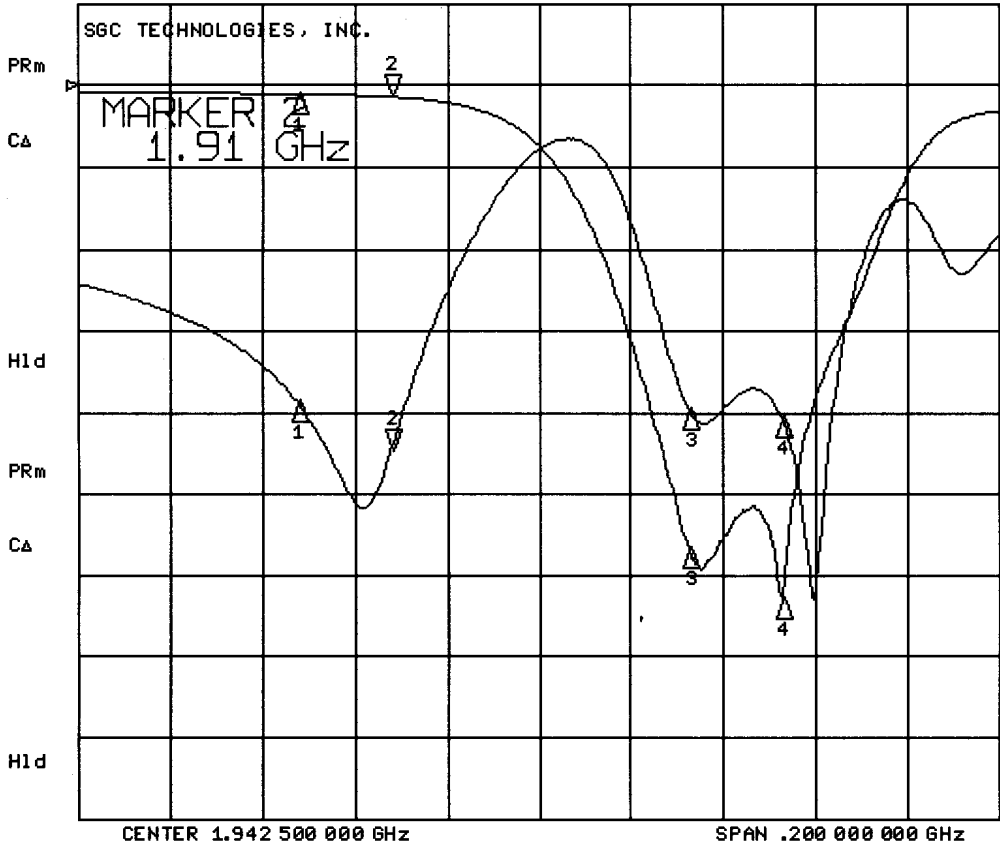
**DIMENSION:**



TOLERANCES UNLESS  
OTHERWISE SPECIFIED: +/-0.2  
UNIT:mm

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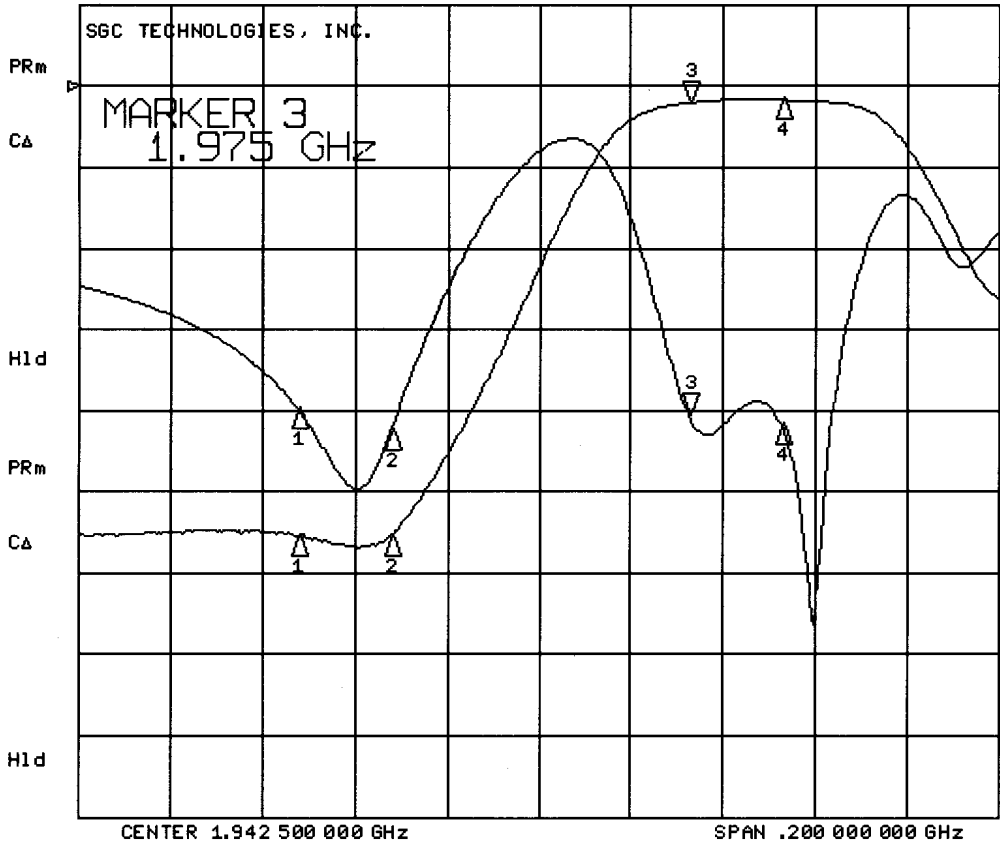
**CH1** S11 LOG 5 dB/REF 0 dB 2<sup>+</sup>-22.332 dB 1.910 000 000 GHz  
**CH2** S21 LOG 10 dB/REF 0 dB 2<sup>+</sup>-1.3940 dB



**CH1 Markers**  
 1<sup>+</sup>-19.370 dB  
 1.89000 GHz  
 3<sup>+</sup>-19.816 dB  
 1.97500 GHz  
 4<sup>+</sup>-20.257 dB  
 1.99500 GHz

**CH2 Markers**  
 1<sup>+</sup>-1.0520 dB  
 1.89000 GHz  
 3<sup>+</sup>-56.672 dB  
 1.97500 GHz  
 4<sup>+</sup>-62.934 dB  
 1.99500 GHz

**CH1** S22 LOG 5 dB/REF 0 dB 3<sup>+</sup>-20.314 dB 1.975 000 000 GHz  
**CH2** S21 LOG 10 dB/REF 0 dB 3<sup>+</sup>-2.0230 dB



**CH1 Markers**  
 1<sup>+</sup>-19.891 dB  
 1.89000 GHz  
 2<sup>+</sup>-21.278 dB  
 1.91000 GHz  
 4<sup>+</sup>-20.931 dB  
 1.99500 GHz

**CH2 Markers**  
 1<sup>+</sup>-55.372 dB  
 1.89000 GHz  
 2<sup>+</sup>-55.382 dB  
 1.91000 GHz  
 4<sup>+</sup>-1.7000 dB  
 1.99500 GHz