ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

5G/LTE Band 2 / PCS Band Ceramic Duplexer

Part Number: AM1900D692

ISO 9001 CERTIFIED

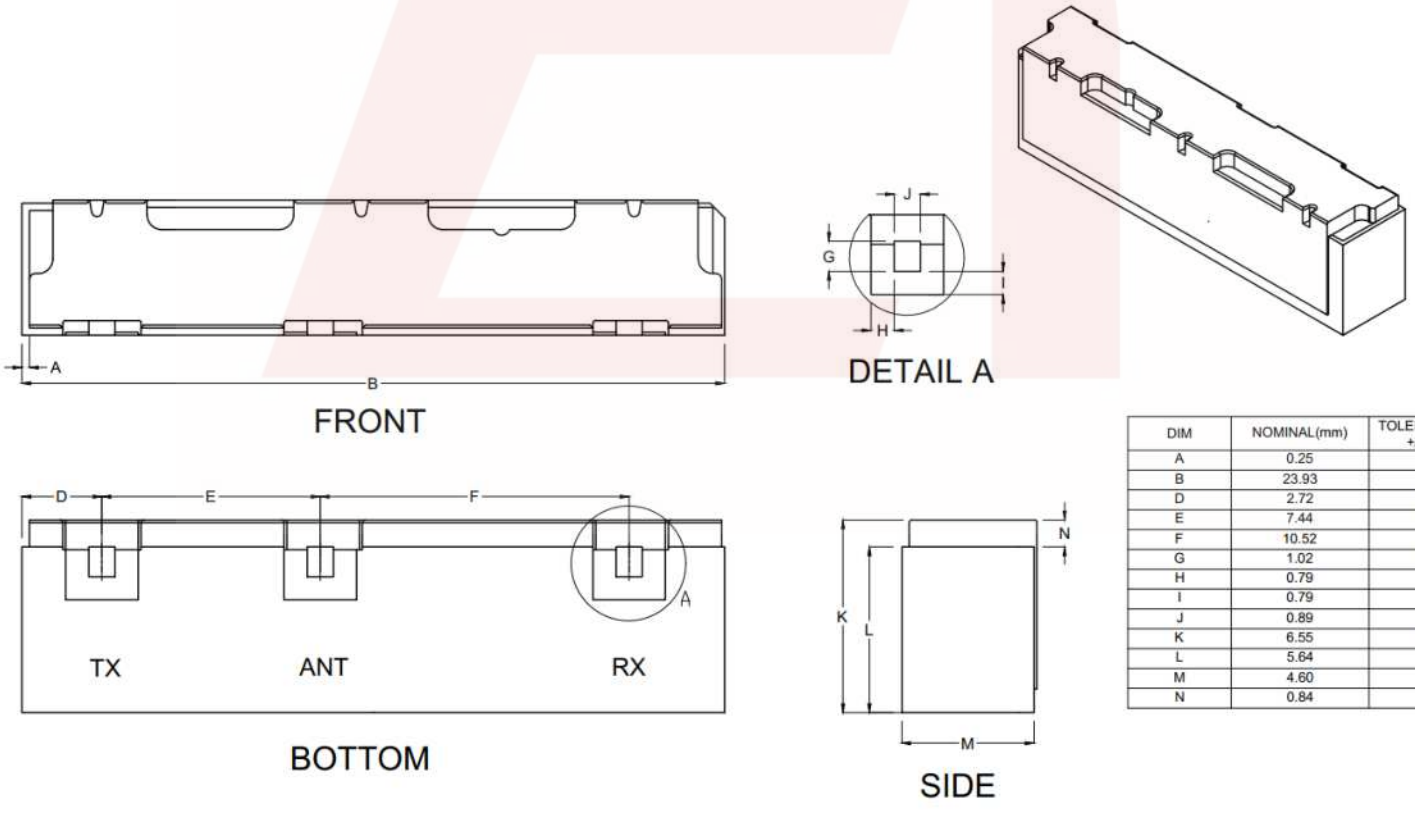
Characteristics	Band 1 (TX)	Band 2 RX)
Passband:	1850-1910 MHz	1930-1990 MHz
Bandwidth:	60 MHz	60 MHz
Passband Return Loss:	15 dB	13.5 MHz
Passband Insertion Loss:	2.6 dB	3.0 dB
Passband Ripple:	1.8 dB	1.9 dB
Input / Output Impedance:	50 Ohms	50 Ohms
Isolation:	53 dB	50 dB
Power Handling:	2W max	2W max

Mechanical	
Mounting Method:	SMT
Dimensions:	23.93 x 6.55 x 4.60 mm

Environmental	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C
Shock:	10 G. 11ms
Vibration:	10 G. 5 to 200 Hz

This product is RoHs compliant.

Outline Drawing:



DIM	NOMINAL(mm)	TOLERANCE (mm) +/- or max
A	0.25	0.25
B	23.93	max
D	2.72	0.25
E	7.44	0.13
F	10.52	0.13
G	1.02	0.13
H	0.79	0.13
I	0.79	0.13
J	0.89	0.13
K	6.55	max
L	5.64	max
M	4.60	max
N	0.84	0.13

DS-D692-12222015-Rev0

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

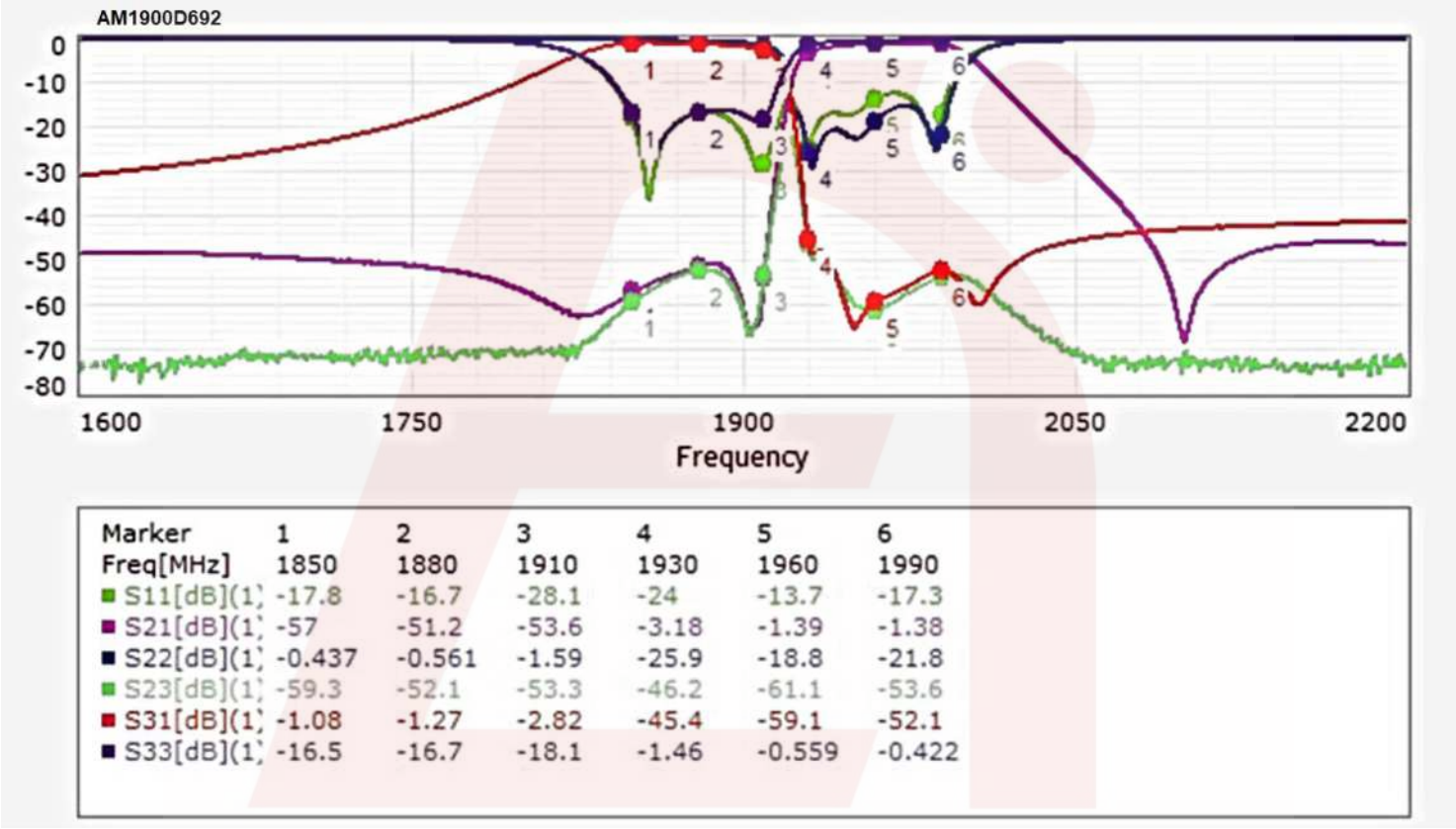
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

5G/LTE Band 2 / PCS Band Ceramic Duplexer

Part Number: AM1900D692

ISO 9001 CERTIFIED

Plot:



Marker	1	2	3	4	5	6
Freq[MHz]	1850	1880	1910	1930	1960	1990
S11[dB](1	-17.8	-16.7	-28.1	-24	-13.7	-17.3
S21[dB](1	-57	-51.2	-53.6	-3.18	-1.39	-1.38
S22[dB](1	-0.437	-0.561	-1.59	-25.9	-18.8	-21.8
S23[dB](1	-59.3	-52.1	-53.3	-46.2	-61.1	-53.6
S31[dB](1	-1.08	-1.27	-2.82	-45.4	-59.1	-52.1
S33[dB](1	-16.5	-16.7	-18.1	-1.46	-0.559	-0.422

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com