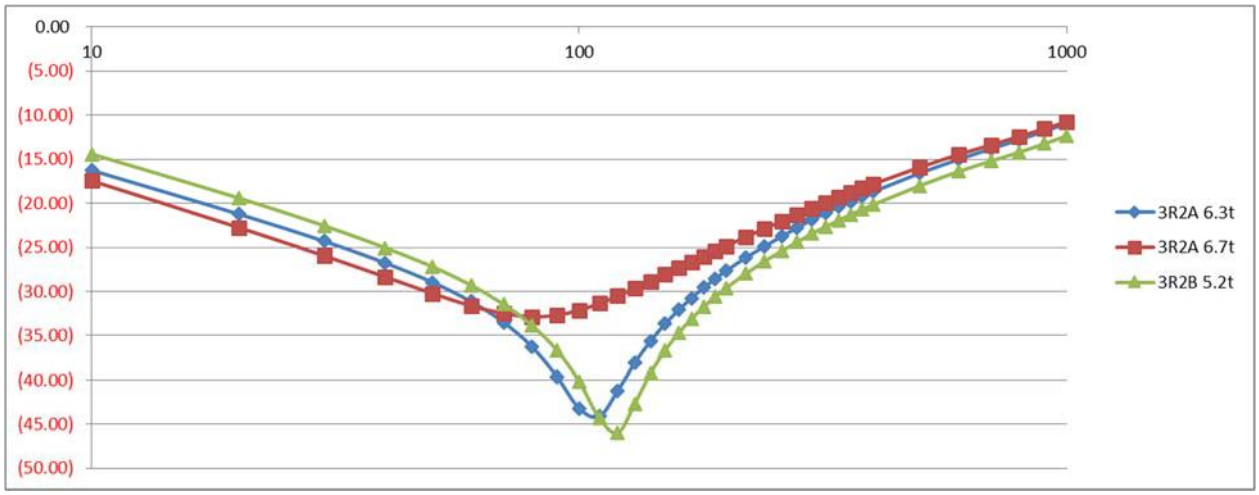
Cuming FT-10 (6.3mm) FERRITE TILE PERFORMANCE



	Material & Thickness		
Frequency (MHz)	3R2A 6.7t	3R2A 6.3t	3R2B 5.2t
0.3	(0.60)	(0.58)	(0.45)
0.4	(1.01)	(0.96)	(0.70)
0.5	(1.42)	(1.34)	(0.95)
0.6	(1.83)	(1.71)	(1.20)
0.7	(2.24)	(2.09)	(1.45)
0.8	(2.66)	(2.47)	(1.71)
0.9	(3.07)	(2.85)	(1.96)
1	(3.48)	(3.23)	(2.21)
2	(6.95)	(6.44)	(4.73)
3	(9.47)	(8.79)	(7.09)
4	(11.27)	(10.46)	(8.84)
5	(12.63)	(11.73)	(10.10)
6	(13.83)	(12.85)	(11.18)
7	(14.89)	(13.84)	(12.11)
8	(15.84)	(14.74)	(12.96)
9	(16.69)	(15.54)	(13.72)
10	(17.45)	(16.26)	(14.41)
20	(22.74)	(21.22)	(19.39)
30	(25.97)	(24.31)	(22.56)
40	(28.35)	(26.77)	(25.05)
50	(30.22)	(28.96)	(27.20)
60	(31.62)	(31.15)	(29.29)
70	(32.50)	(33.49)	(31.46)
80	(32.86)	(36.27)	(33.85)

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90	(32.69)	(39.61)	(36.66)
100	(32.13)	(43.20)	(40.17)
110	(31.36)	(44.10)	(44.31)
120	(30.52)	(41.18)	(45.98)
130	(29.66)	(38.09)	(42.65)
140	(28.86)	(35.63)	(39.26)
150	(28.09)	(33.69)	(36.69)
160	(27.35)	(32.10)	(34.70)
170	(26.69)	(30.74)	(33.10)
180	(26.02)	(29.58)	(31.74)
190	(25.42)	(28.56)	(30.61)
200	(24.84)	(27.68)	(29.62)
220	(23.81)	(26.15)	(27.96)
240	(22.88)	(24.89)	(26.58)
260	(22.03)	(23.76)	(25.42)
280	(21.26)	(22.79)	(24.41)
300	(20.53)	(21.87)	(23.45)
320	(19.90)	(21.10)	(22.66)
340	(19.33)	(20.41)	(21.95)
360	(18.79)	(19.79)	(21.30)
380	(18.29)	(19.24)	(20.73)
400	(17.84)	(18.71)	(20.18)
500	(15.92)	(16.59)	(18.00)
600	(14.48)	(15.02)	(16.41)
700	(13.37)	(13.81)	(15.21)
800	(12.41)	(12.78)	(14.20)
900	(11.55)	(11.82)	(13.24)
1000	(10.75)	(10.96)	(12.35)

Please refer to the information as below when you view data.

- Instrument used for the measurement : Network analyzer Agilent 8753C
- the Size of Measurement Sample : Out-diameter Φ 38.8mm x Inner-diameter Φ16.9 mm x thickness 5.2t, 6.3t, 6.7t mm
- Material : Powder used in the Ferrite Tile (Material Name : 3R2A, 3R2B)
- Thickness : 5.2t, 6.3t, 6.7t
- Measurement Items : Permittivity(Real & Imaginary), Permeability(Real & imaginary)
  - Reflection Loss(dB) is calculated by 4 measurement items
- Data in the Attached file : reflection loss, Permittivity, permeability