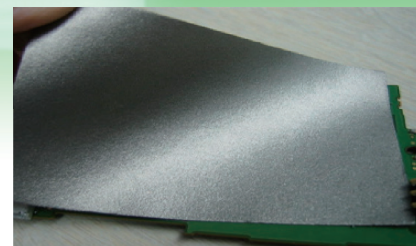


EM Absorbing Sheets

Pμ-SV is an EM absorbing sheet that features high magnetic permeability and is furnished with outstanding electromagnetic wave absorption effects from a frequency of 10MHz to frequencies of several GHz.

Pμ-RF is an EM absorbing sheet for RFID applications ideal for use in the 13.56MHz bandwidth.

Pμ-RX is a thermal-conductive EM absorbing sheet that combines the characteristics of a thermal-conductive sheet with electromagnetic wave absorbing effects.

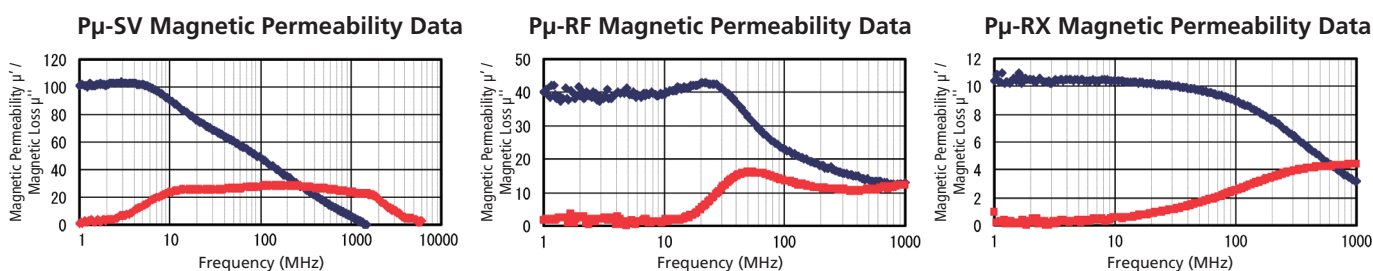


Characteristics

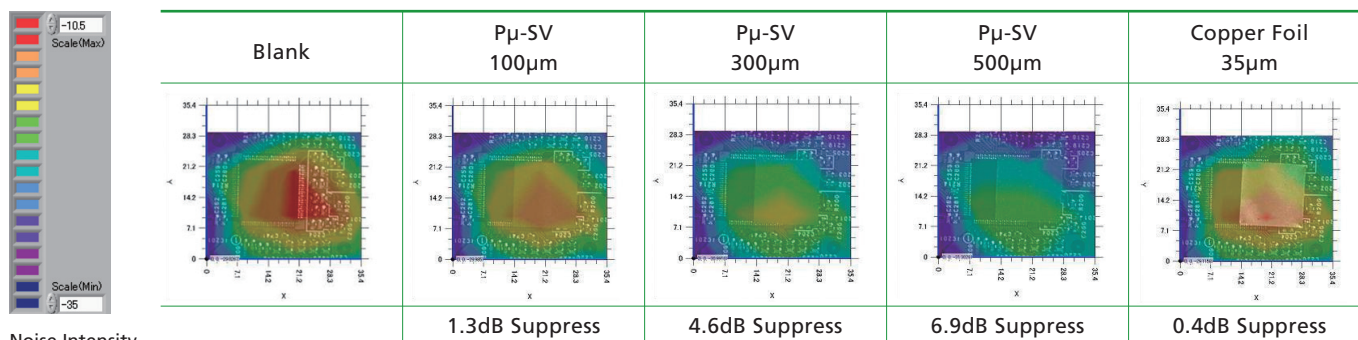
		Pμ-SV	Pμ-RF	Pμ-RX
Magnetic Permeability μ' (1MHz)	-	100	40	10
Magnetic Permeability μ' (13.56MHz)	-	87	41.5	10
Magnetic Loss μ'' (13.56MHz)	-	24	1.5	0.7
Hardness	JIS Type E	-	-	20
Specific Gravity	-	3.5	3.1	3.2
Volume Resistance	$\Omega \cdot \text{cm}$	1×10^6	1×10^6	$\cong 1 \times 10^{10}$
Thermal Conductivity*1	W/m·K	-	-	1.8
Thermal Conductivity*2	W/m·K	-	-	0.8
Operating Temperature Range	°C	-40-100	-40-100	-40-150
Flame Retardancy	UL 94	V-0	V-0 equivalent	V-0 equivalent
Thickness	mm	0.05-	0.05-	0.5-

*1: Thermal resistance conversion method, *2: ASTM D5470

The Pμ-RF and Pμ-RX specifications are subject to change without notice. Numerical values shown in the above table are actual measured values, not product standard values.



Near Field Radiation magnetic Filed Intensity Characteristics



The above values are at 120MHz.