

Development

SHIN-ETSU INTER-CONNECTOR

LS- α Type

<< Characteristics >>

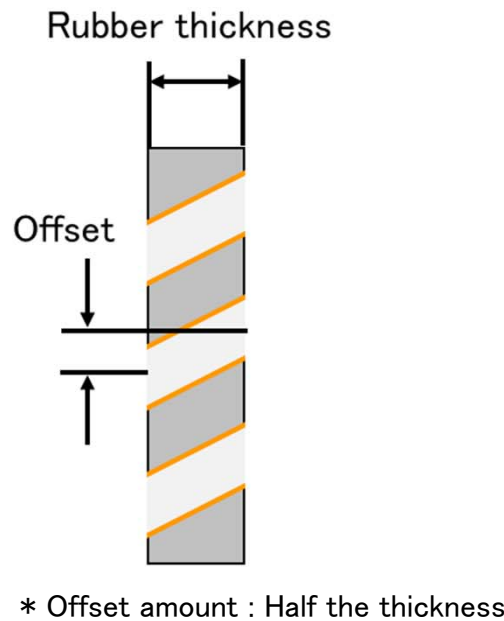
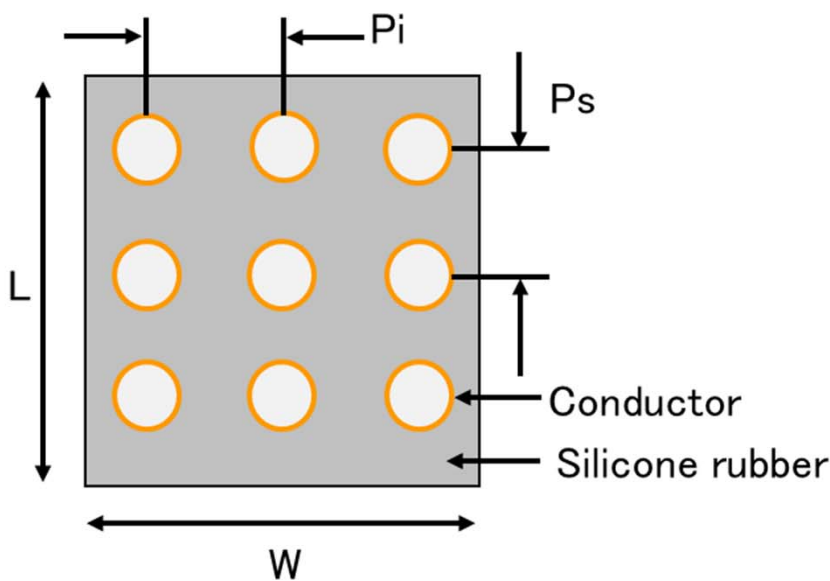
Anisotropic conductive sheet with a hollow gold conductor in silicone rubber

- 1) Multipoint connection
- 2) Minimized contact damage to the test object
- 3) Low contact force and resistance
- 4) Excellent radio frequency characteristics up to 110GHz

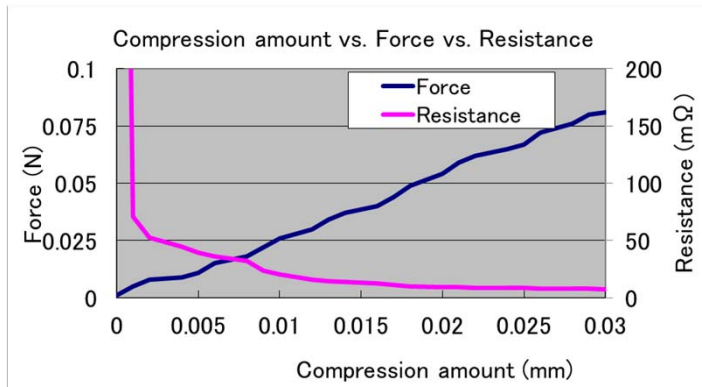
■ Product Summary

Specification		Sample 1	Sample 2	Development Objective	
Conductor	Inclination	63°			
	Material	Gold			
	Shap (μ m)	Φ 25	Φ 17	Φ 15	Φ 12
Pi and Ps (μ m)		50, 50	32, 50	30, 30	20, 20
Rubber thickness (μ m)		150, 250			
Rubber hardness		70		-	
Maximum size (mm)		30L x 30W	17L x 45W	-	

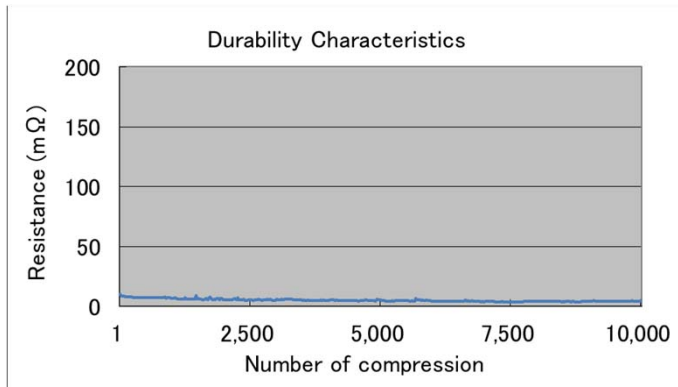
■ Product Configuration



Initial contact



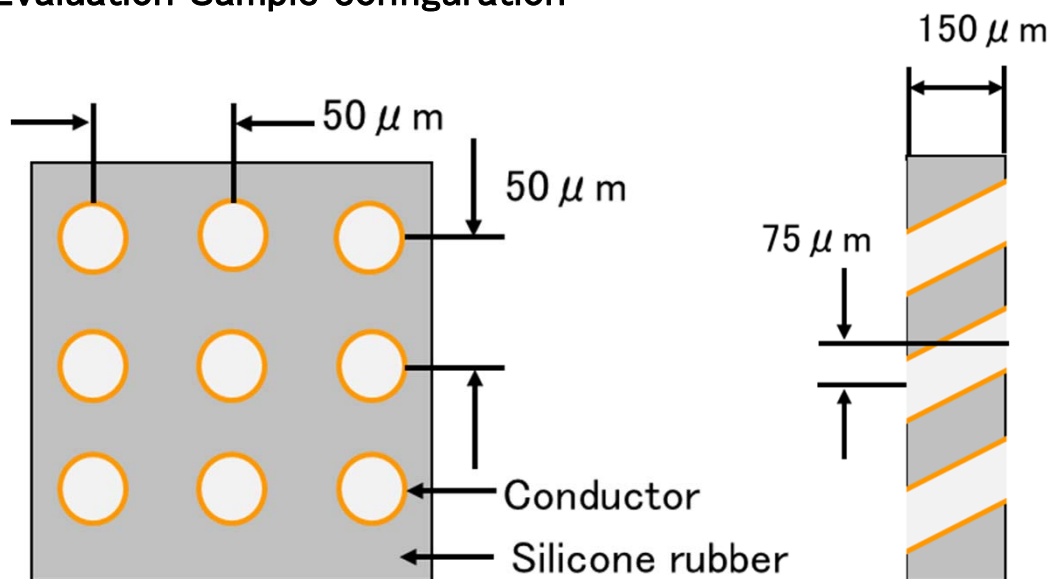
Durability characteristics



*1. 0.14mm Gold plated tip and Gold plated plate were used for evaluation.

*2. Compression amount in durability characteristics evaluation is 30 μm.

Evaluation Sample configuration



Notes: Every item or numerical value indicated herein measured by Shin-Etsu and out of guarantee.
 The quality of the production, which has been already assembled, is out of guarantee.
 Please make sure to see about the purpose/conditions of use and practice your own test.
 Industrial ownership like patent doesn't guarantee the usage of the product.
 Because it is under development, the contents may change without notice.