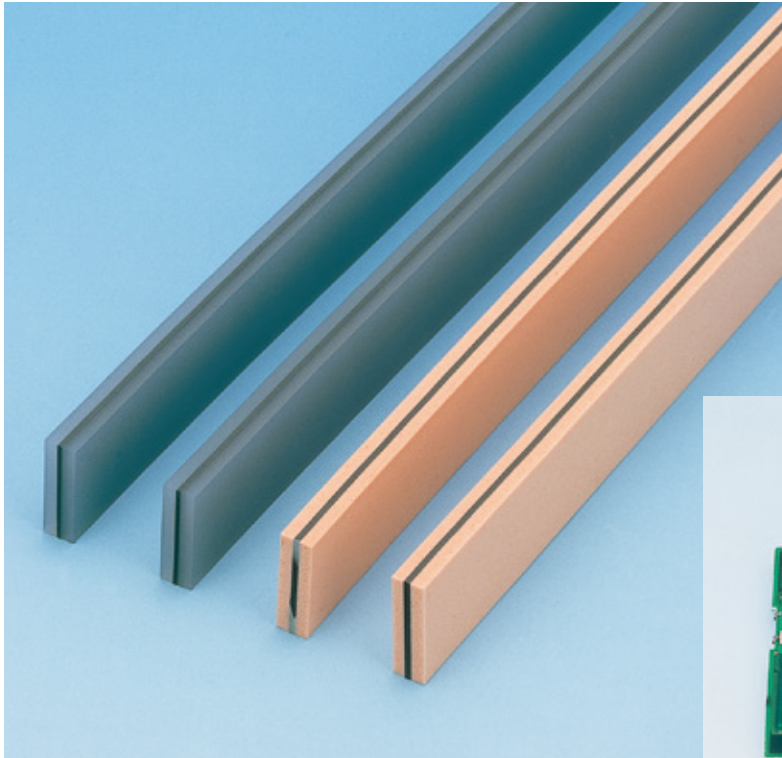


## Shin-Etsu Inter-Connector<sup>®</sup>

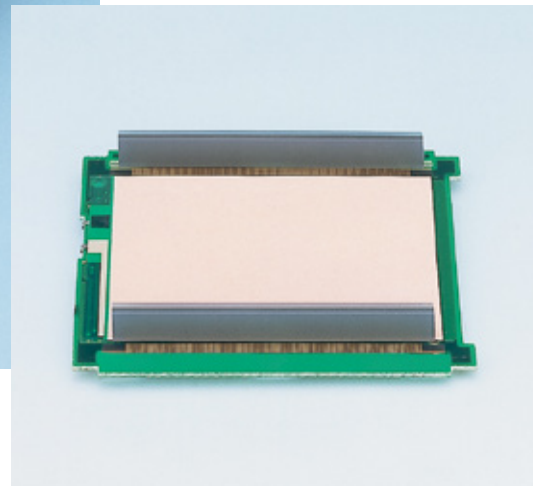
### SS, SG TYPE



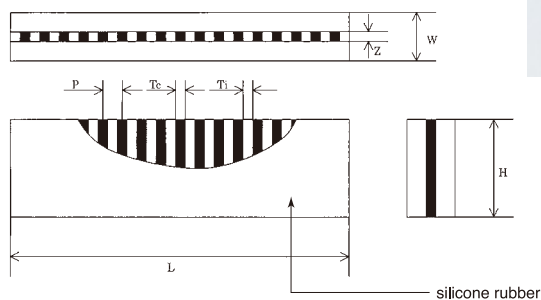
#### FEATURES

SS/SG-type Inter-Connector consists of alternate layers of conductive and insulating silicone rubber and of rubber insulators with less stiffness, which are fitted on both sides. This type is suitable for small- or middle-sized displays.

While SS type has translucent supportive solid rubber on the both sides, SG type has pink sponge rubber.



#### OUTLINE DIMENSIONS



#### DIMENSIONS AND TOLERANCES

Item		Unit	SS type			SG type		
Pitch	P	mm	0.10±0.04	0.18±0.05	0.25±0.05	0.10±0.04	0.18±0.05	0.25±0.05
Length	L	mm	2.0~20.0±0.15	20.1~90.0±0.65%		2.0~20.0±0.15	20.1~90.0±0.65%	
			90.1~150.0±0.6	150.1~200.0±0.8		90.1~150.0±0.6	150.1~200.0±0.8	
			200.1~275.0±1.0			200.1~270±1.0	270.1~300±1.5	
Height*	H	mm	1.0~5.0±0.1	5.1~20.0+0.15/-0.1		1.0~5.0±0.1	5.1~20.0+0.15/-0.1	
Width (standard)	W	mm	1.0~2.3±0.1	2.4~5.0±0.15		1.2~2.3±0.1	2.4~4.5±0.15	
Width of conductive layer	Z	mm	0.3±0.05 (standard)	0.6±0.05 (secondary standard)		0.4±0.05 (standard)	0.8±0.05 (secondary standard)	

\*  $H \geq W/2$   
SS-N type, which has non-sticky sides is available on request.

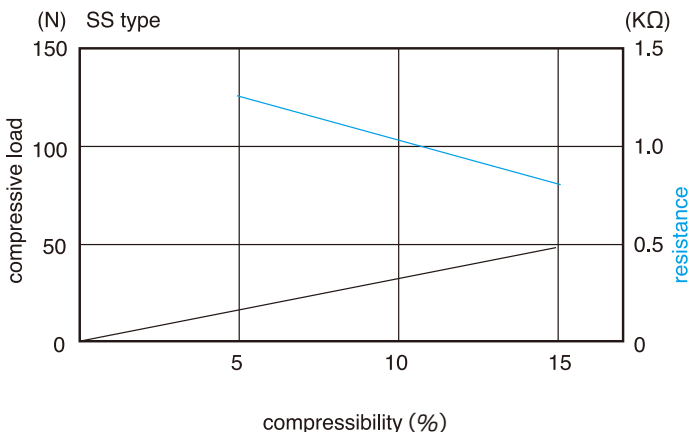
Shin-Etsu Inter-Connector has been registered in European Community, TM No. 000299016, and in the United States of America, TM No. 2078941.

## BASIC PROPERTIES

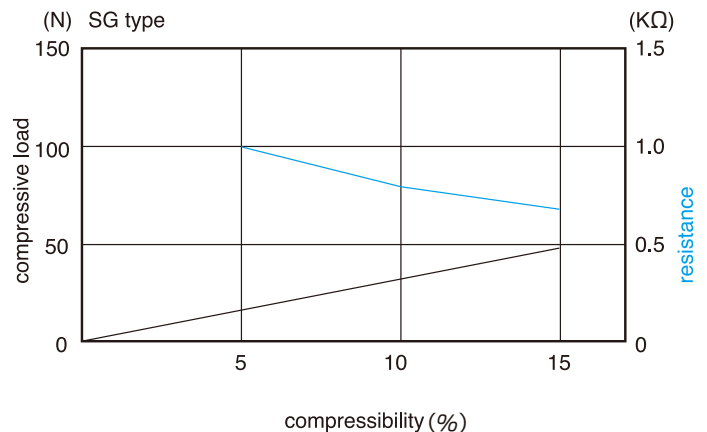
Item	Component	Unit	SS type	SG type
Specific gravity	Insulator		1.15	1.15
	Conductor		1.25	1.25
	Edge insulation part		1.10	0.6
Shore hardness A	Insulator	ISO7619 (TYPE A)	65~73	65~73
	Conductor		63~67	63~67
	Edge insulation part		20~25	17~23
Compression set	★	%	12~18	12~18
Volume resistivity	Insulator	$\Omega \cdot \text{cm}$	$1 \times 10^{14}$	$1 \times 10^{14}$
	Conductor		3~6	3~6
	Edge insulation part		$8 \times 10^{13}$	$1 \times 10^{11}$
Dielectric breakdown voltage	Insulator	kV/mm	23~27	23~27
	Edge insulation part		23~27	2.0~2.5
Insulation resistance(500V DC)	★	M $\Omega$	$1 \times 10^3 \leq$	$1 \times 10^3 \leq$
Operating temperature range		°C	-25~85	-25~85

\*The test is carried out with Shin-Etsu's own method.

## COMPRESSION CURVES



sample size:0.10P×50.0L×5.0H×2.6W×0.3Z  
 electrodes used: 0.4mm-width gold-plated vs.  
 no pattern processed gold plated  
 no holder



sample size:0.10P×50.0L×5.0H×2.6W×0.4Z  
 electrodes used: 0.4mm-width gold-plated vs.  
 no pattern processed gold plated  
 no holder

**Note) Every item or numerical value indicated herein is measured by Shin-Etsu and out of guarantee.  
 The quality of the connector, 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 connector**

# Shin-Etsu

Shin-Etsu Polymer Co.,Ltd.

- Sales Unit Sales & Marketing Division I  
 TEL:+81-3-5289-3727 FAX:+81-3-5289-3722  
 Sotetsu Kandasudacho bldg. 1-9 Kanda-Sudacho, Chiyoda-ku,  
 Tokyo 101-0041 Japan
- Osaka Branch TEL:+81-6-6350-1121 FAX:+81-6-6350-1288
- Nagoya Branch TEL:+81-52-581-4231 FAX:+81-52-581-2921

- Shin-Etsu Polymer America, Inc.  
 TEL:+1-510-623-1881 FAX:+1-510-623-1603
- Shin-Etsu Polymer Europe B.V.  
 TEL:+31-77-323-6000 FAX:+31-77-323-6001
- Shin-Etsu Polymer Hong Kong Co., Ltd.  
 TEL:+852-2377-9131 FAX:+852-2377-1673
- Shin-Etsu Polymer Singapore Pte. Ltd.  
 TEL:+65-6735-0007 FAX:+65-6735-0008

- Corporate Head Office  
 TEL:+81-3-5289-3712 FAX:+81-3-5289-3707  
 Sotetsu Kandasudacho bldg. 1-9 Kanda-Sudacho, Chiyoda-ku,  
 Tokyo 101-0041 Japan