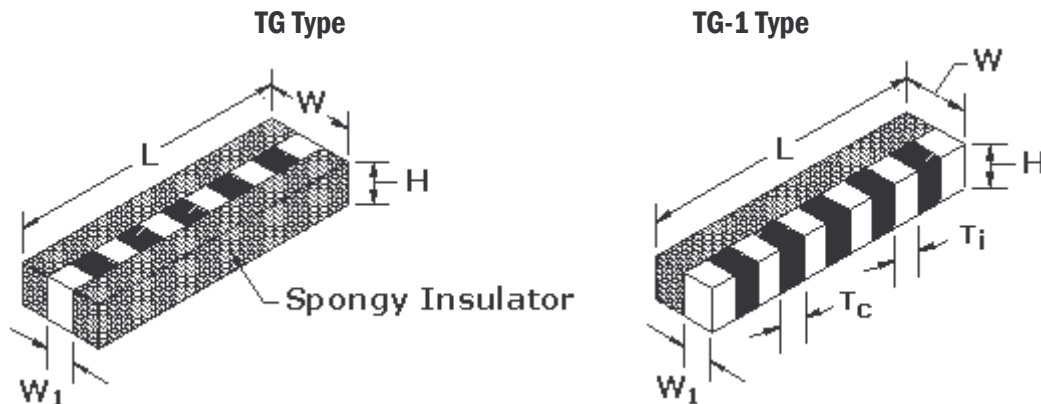


TG Type Connectors



DIMENSIONS	UNITS	0.10P	0.18P	0.25P	0.05P
P (pitch):	mm	0.10 (±0.05)	0.18 (±0.06)	0.25 (±0.07)	0.05 (±0.02)
L (length):	mm	1.0~20.0 (±0.15), 20.1~50.0 (±0.2), 50.1~100.0 (±0.3) 100.1~150.0 (±0.4), 150.1~200.0+ (±0.6), 200.1~300.0(±0.8)			
H (height):	mm	0.8~5.0 (±0.1), 5.1~+0.15/-0.1			
W (width):	mm	1.0~2.5 (±0.1), 2.5~ (±0.15)			
Tc (conductor thickness):	mm	0.05 (±0.02)	0.09 (±0.3)	0.13 (±0.03)	0.03 (±0.01)
Ti (insulator thickness):	mm	0.05	0.09	0.12	0.02
W1 (conductor width):	mm	0.4 (±0.05 standard), 0.4~0.79 (±0.05), 0.8~0.99 (±0.08), 1.0~ (±0.1)			
Minimum Mating Pitch	mm	0.3	0.5	0.7	0.2

PARAMETER	INSULATOR	CONDUCTOR	SIDE INSULATOR
Volume Resistivity	5 x 10 ¹⁴ ohm-cm	3~5 ohm-cm	1 x 10 ¹¹ ohm-cm
Dielectric Breakdown Voltage	26 kV/mm	--	25KV/mm
Specific Gravity	1.20	1.20	0.6
Hardness	65	70	18
Tensile Strength	80 kg/cm ²	60 kg/cm ²	50 kg/cm ²
Insulation Resistance (@ 500v DC)	10 ¹⁴ ohm	--	10 ¹¹ ohm
Operating Temperature Range	-20 °C + 180 °C		
Max. Current Density (@ 25 °C)	1mA/mm ²		

Compression Load Formula	Contact Resistance Formula
$F = 1.4 \times DWL$ (grams)	$R = 180 (H \div (W \times S))$ ohms
F = Force in grams D = Deflection in % W = Width of connector in mm L = Length of connector in mm	H = Height of connector in mm W = Width of conductive layer in mm S = Electrode width in mm

TG Type Design Guidelines
Length = LCD glass length - 0.5mm (under 20mm according LCD glass length)
Height = Distance from PCB to LCD contact surface x (1.10~1.15)
Width = LCD contact ledge x (0.9~0.95)
<i>For special requests on material properties, dimension tolerance, or contact resistance, please notify our sales department before ordering.</i>