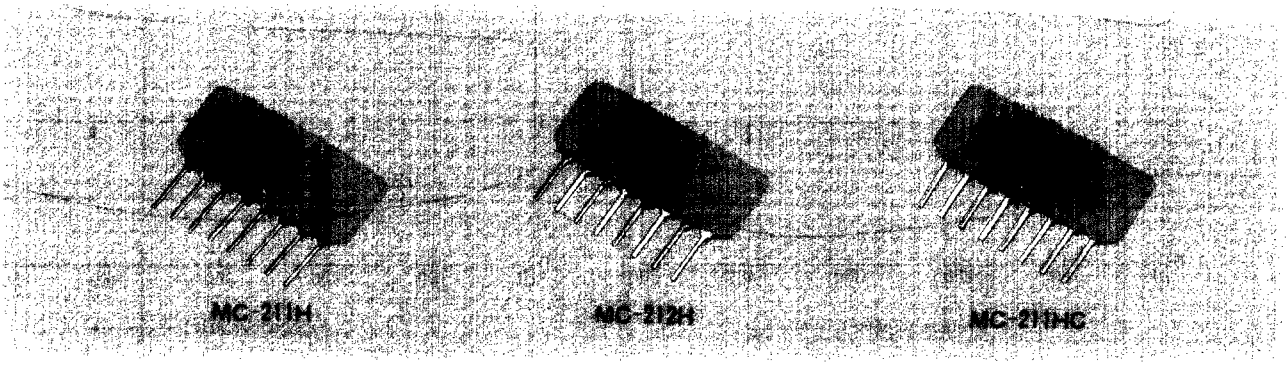
60 to 390MHz	Microwave Coil Components (HIC)	CL 360

GENERAL FEATURES

The Microwave Coil Component (HIC) is a 2.54-mm (.1") pitch compact device for distributing and synthesizing IF band signals having a 90° phase shift. The metal powder coated packaging has been designed using VE techniques.

MATERIAL·FINISH

Part name	Material	Finish
Body	Resin	
Contact	Phospor bronze	Solder plated
P.C. Board	Dielectric	Solder plated



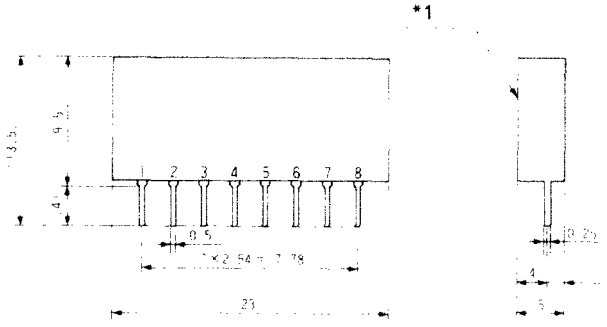
OPERATIONAL ENVIRONMENT

Operating temperature; −10°C~+65°C
Humidity; 0~95%

TEST ENVIRONMENT

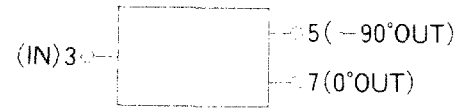
Vibration resistance; 10~55Hz
Total amplitude; 1.5mm 55~2000Hz 98m/s²
Temperature resistance; −35°C~+85°C
Impulse resistance; 294m/s²

DIMENSIONS



*1: There are some 凹凸 on the surface mount because of HIC.

SCHEMATIC



Numbers of 1, 2, 4, 6, and 8 are to the ground

●POWER COMBINERS AND SPLITTER

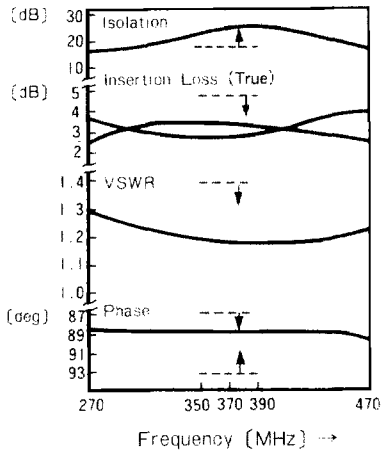
SPECIFICATIONS

Model No.	Frequency Range (MHz)	Phase difference (deg)	Above 3dB insertion loss (dB Max)	True insertion loss (dB Max)	Isolation (dB Min)	VSWR (Max)	Balance		Impedance (Ω)	Weight (g)
							Phase (deg)	Amplitude (dB)		
MC-211H	350~390	−90	1.4	4.9	18	1.4	± 3	±0.5	50	2
MC-212H	290~300	−90	1.4	4.9	18	1.4	± 5	±0.5	50	2
MC-213H	210~230	−90	1.4	4.9	18	1.4	± 5	±0.5	50	2
MC-211HC	130~150	−90	1.4	4.9	18	1.4	± 3	±0.5	75	2
MC-212HC	60~80	−90	1.4	4.9	18	1.4	± 5	±0.5	75	2

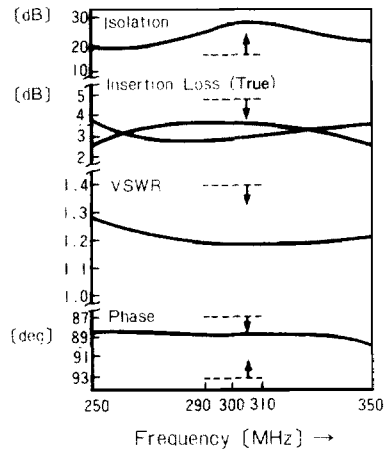
Insertion Loss of 2WAY 90deg is got by substracting Coupling 3dB from the average Output of 0°part~90°port.

(Typical)DATA

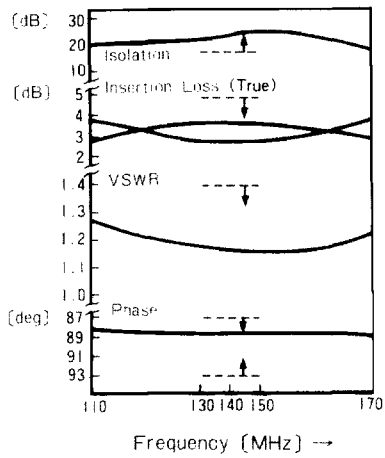
MC-211H



MC-212H



MC-211HC



MC-213H