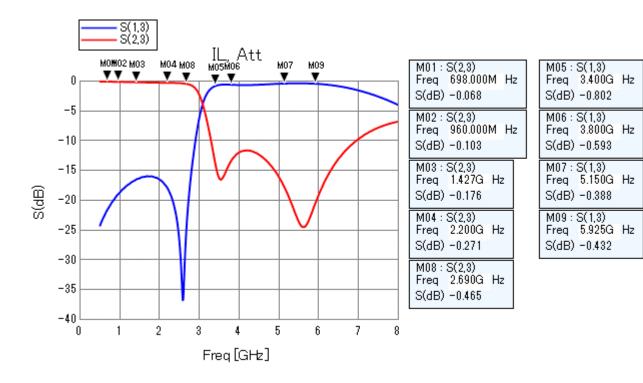


## Chip Multilayer Diplexer

## 1. Characteristics (at -40~+85°C)

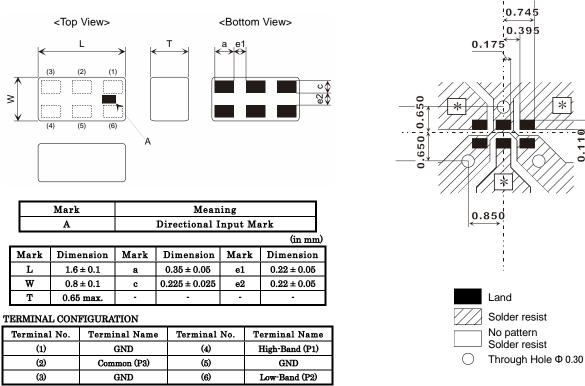
Tentative Part Number			LFD182G50MPAE246
Pass Band Range	f1		698.00 ~ 960.00 MHz
	f2		1427.00 ~ 2200.00 MHz
	f3		2300.00 ~ 2690.00 MHz
	f4		3400.00 ~ 3800.00 MHz
	f5		5150.00 ~ 5925.00 MHz
Insertion Loss (dB)	P2-P3	in f1	0.25 max. at 25°C
			0.40 max. at -40~ +85°C
		in f2	0.40 max. at 25°C
			0.55 max. at -40~ +85°C
		in f3 in f4	0.85 max. at 25°C
			1.00 max. at -40~ +85°C
			1.00 max. at 25°C
			1.15 max. at -40~ +85°C 0.70 max. at 25°C
		in f5	0.85 max. at -40~ +85°C
		in f4	11.0 min.
Attenuation (dB)	P2-P3	in f5	13.0 min.
	P1-P3	in 13	14.0 min.
		in f2	11.0 min.
		in f3	13.0 min.
VSWR	P2	in f1	1.25 max.
		in f2	1.67 max.
		in f3	1.92 max.
		in f4	1.78 max.
	P1	in f5	2.10 max.
	P3	in f1	1.25 max.
		in f2	1.67 max.
		in f3	1.92 max.
		in f4	1.78 max.
		in f5	2.10 max.
Isolation (dB)	P1-P2	in f1	14.0 min.
		in f2	11.0 min.
		in f3	13.0 min.
		in f4	11.0 min.
		in f5	13.0 min.
Power Capacity			2.0 W max
			2.0 VV 111dX





## 2. Construction, Dimensions&Marking





\*Line width to be designed to match  $50\Omega$  characteristic impedance, depending on PCB material and thickness.

0.335

(in mm)

0.11





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