

TST1M18D1G57LM0CYT

Electrical Characteristics

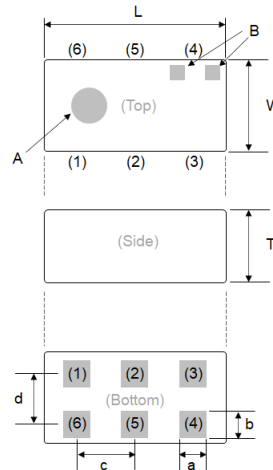
No.	TST1M18D1G57LM0CYT	Specification			Unit	Remarks	
		Min.	Typ.	Max.			
Low						(2)Com-(6)Low	
1	Pass Band Frequency	617	-	1606	MHz		
2	Insertion loss	617-960 MHz	-	0.53	0.70	Ta= +25°C	
			-	-	0.80	Ta= -40 to +85°C	
		1160-1606 MHz	-	0.79	1.00	Ta= +25°C	
			-	-	1.10	Ta= -40 to +85°C	
3	V.S.W.R.	617-960 MHz	-	1.40	2.0		
		1160-1606 MHz	-	1.38	2.0		
4	Amplitude ripple@20MHz	-	0.06	0.5	dB	Ta= -40 to +85°C	
5	Attenuation	2400-2500 MHz	15	21.1	-		dB
		5150-5950 MHz	20	27.2	-		dB
		5950-7125 MHz	20	29.9	-		dB
Mid						(2)Com-(5)Mid	
1	Pass Band Frequency	2400	-	2500	MHz		
2	Insertion loss	2400-2500 MHz	-	0.79	1.10	Ta= +25°C	
			-	-	1.20	Ta= -40 to +85°C	
3	V.S.W.R.	2400-2500 MHz	-	1.43	2.0		
4	Amplitude ripple@20MHz	-	0.02	0.4	dB		
5	Attenuation	617-960 MHz	13	17.3	-	dB	Ta= -40 to +85°C
		1160-1606 MHz	13	18.1	-	dB	
		4800-5000 MHz	10	18.7	-	dB	
		5150-5950 MHz	15	22.6	-	dB	
		5950-7125 MHz	18	25.8	-	dB	
High						(2)Com-(4)High	
1	Pass Band Frequency	5150	-	7125	MHz		
2	Insertion loss	5150-7125 MHz	-	0.63	1.10	Ta= +25°C	
			-	-	1.20	Ta= -40 to +85°C	
3	V.S.W.R.	5150-7125 MHz	-	1.69	2.2		
4	Amplitude ripple@20MHz	-	0.02	0.5	dB		
5	Attenuation	617-960 MHz	30	39.3	-	dB	Ta= -40 to +85°C
		1160-1606 MHz	30	39.4	-	dB	
		1805-1950 MHz	18	23.4	-	dB	
		1950-2400 MHz	18	22.8	-	dB	
		2400-2500 MHz	22	29.0	-	dB	
		2496-2690 MHz	15	25.7	-	dB	
		10300-15000 MHz (*)	5	10.4	-	dB	
Isolation							
1	(6)Low to (5)Mid	617-960 MHz	12	16.5	-	dB	Ta= -40 to +85°C
		1160-1606 MHz	13	17.7	-	dB	
		2400-2500 MHz	15	22.3	-	dB	
	(6)Low to (4)High	617-960 MHz	30	38.7	-	dB	
		1160-1606 MHz	30	39.8	-	dB	
		5150-7125 MHz	20	29.1	-	dB	
	(5)Mid to (4)High	2400-2500 MHz	18	25.3	-	dB	
		5150-7125 MHz	15	22.2	-	dB	
		Impedance					
1	Impedance	-	50	-	Ohm	All port	
Power Handling							
1	Power Handling at Passs Band	-	-	+30	dBm	CW	

(*)Reference

Operating Temp. -40 to +85 deg-C

Notice : All the technical data and specifications are subject to change without prior notice. This product is only intended for use in general communications applications and not intended for applications such as automotive embedded systems where higher safety and reliability are required. Before making final selection, please check product specification.

Shapes & Dimensions



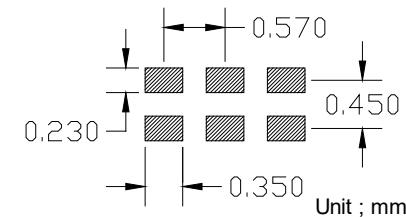
Terminal	
(1)	GND
(2)	Common
(3)	GND
(4)	High band
(5)	Mid band
(6)	Low band

Mark	Remark
A	Marking dot
B	Test Point (Internal Use Only)

Mark	Dimension	Mark	Dimension
L	1.60 +/- 0.10	a	0.35 +/- 0.10
W	0.80 +/- 0.10	b	0.23 +/- 0.10
T	0.65 Max	c	0.57 typ.
		d	0.45 typ.

Unit : mm

Land pattern (aperture size)



- (1) Metal mask thickness ; 0.08mm
(2) Metal opening ratio : 100% of land pattern

Measured DATA

Plot Data

