

SAW Filter 940.5 MHz

MODEL NO.: TA0460C

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1
6. ESD 100V(MM) 200V(HBM)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

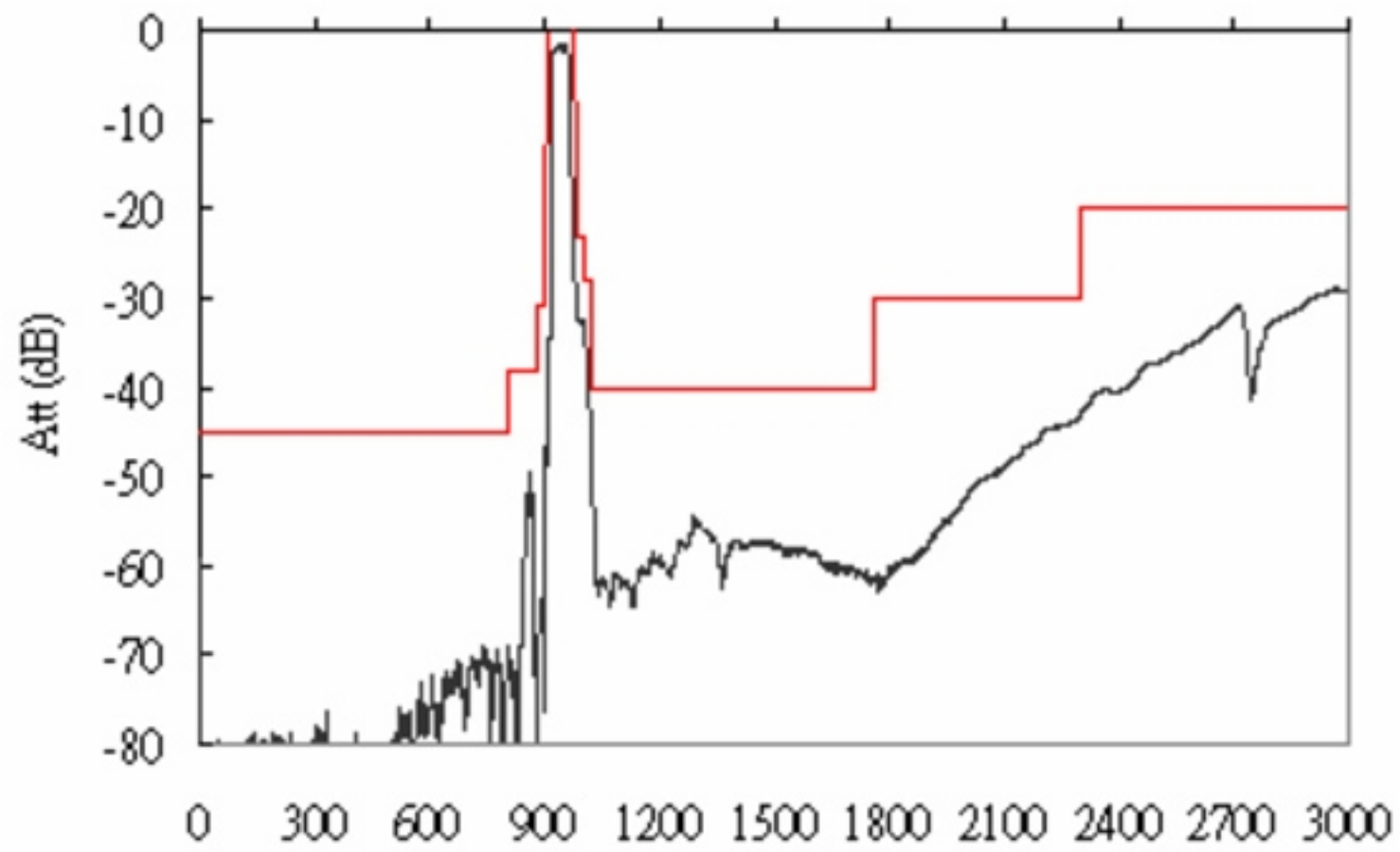
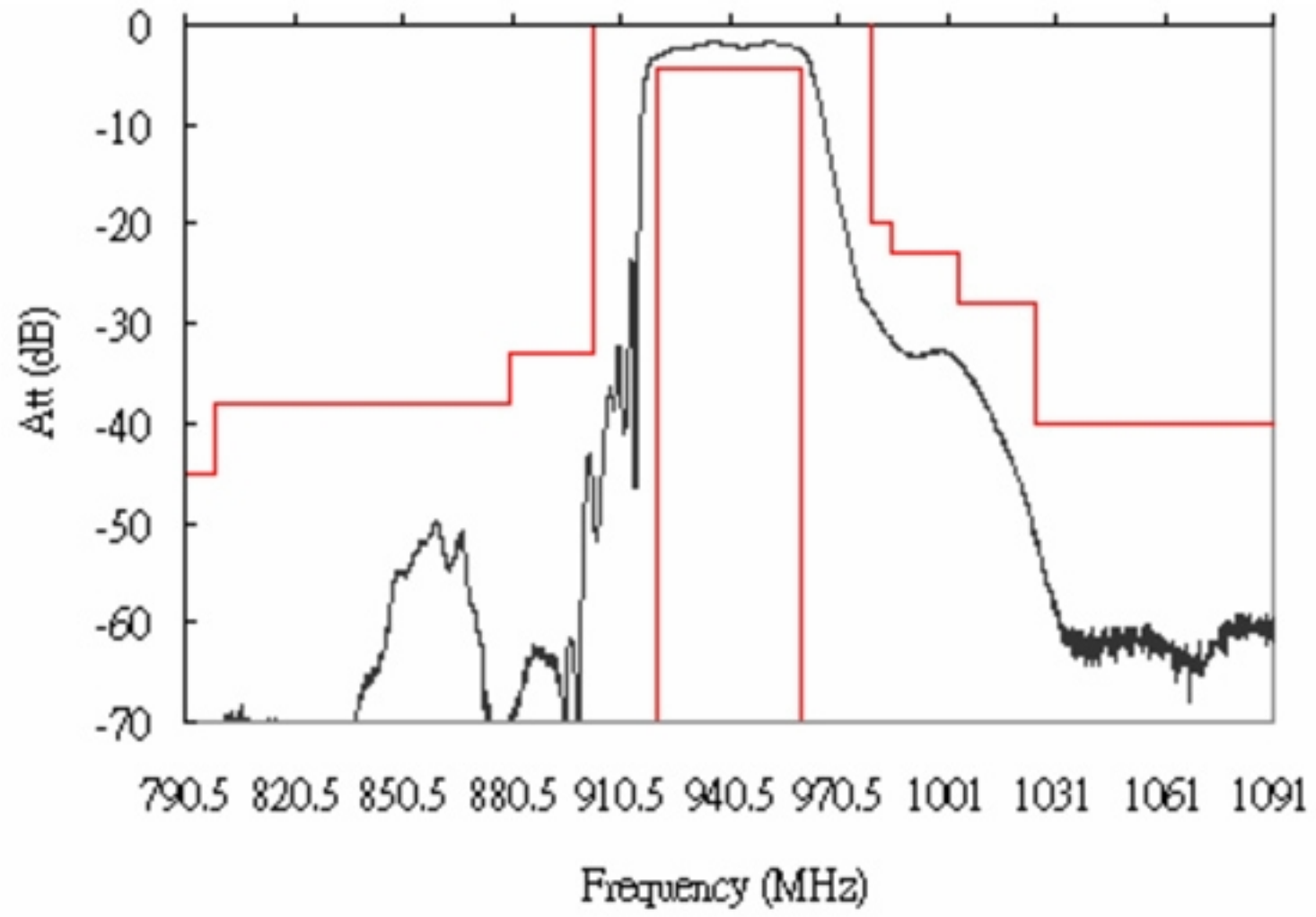
B. ELECTRICAL CHARACTERISTICS:

Characteristics				Specification			Note
				Min.	Typ.	Max	
Center frequency	Fc	MHz	-	940.5	-	-	
Insertion loss	921~960 MHz	I.L.	dB	-	3.2	4.9	-
Ripple	921~960 MHz		dB	-	1.5	2.6	-
VSWR	921~960 MHz			-	2.0	2.8	
Attenuation: (Reference level from 0 dB)							
0 ~ 800 MHz			dB	45	60	-	-
800 ~ 880 MHz			dB	38	47	-	-
880 ~ 902 MHz			dB	31	42	-	-
981 ~ 985 MHz			dB	16	27	-	-
985 ~ 1005 MHz			dB	20	28	-	-
1005 ~ 1025 MHz			dB	28	33	-	-
1025 ~ 1760 MHz			dB	40	50	-	-
1760~ 2300 MHz			dB	30	39	-	-
2300 ~ 3000 MHz			dB	20	27	-	-
Source Impedance				50Ω			1
Load Impedance				50Ω			1

Note1. No matching network required for operation at 50Ω

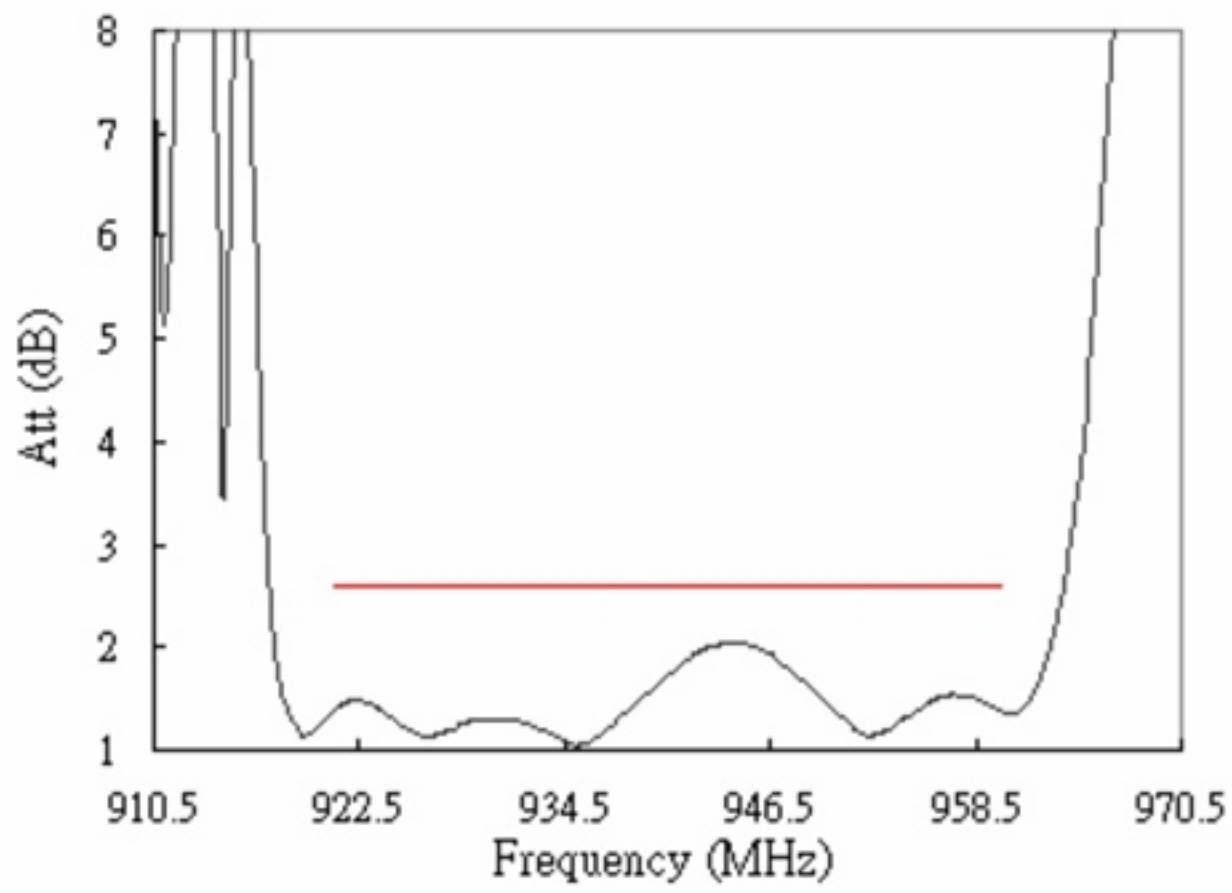
C. TRANSFER FUNCTION :

□

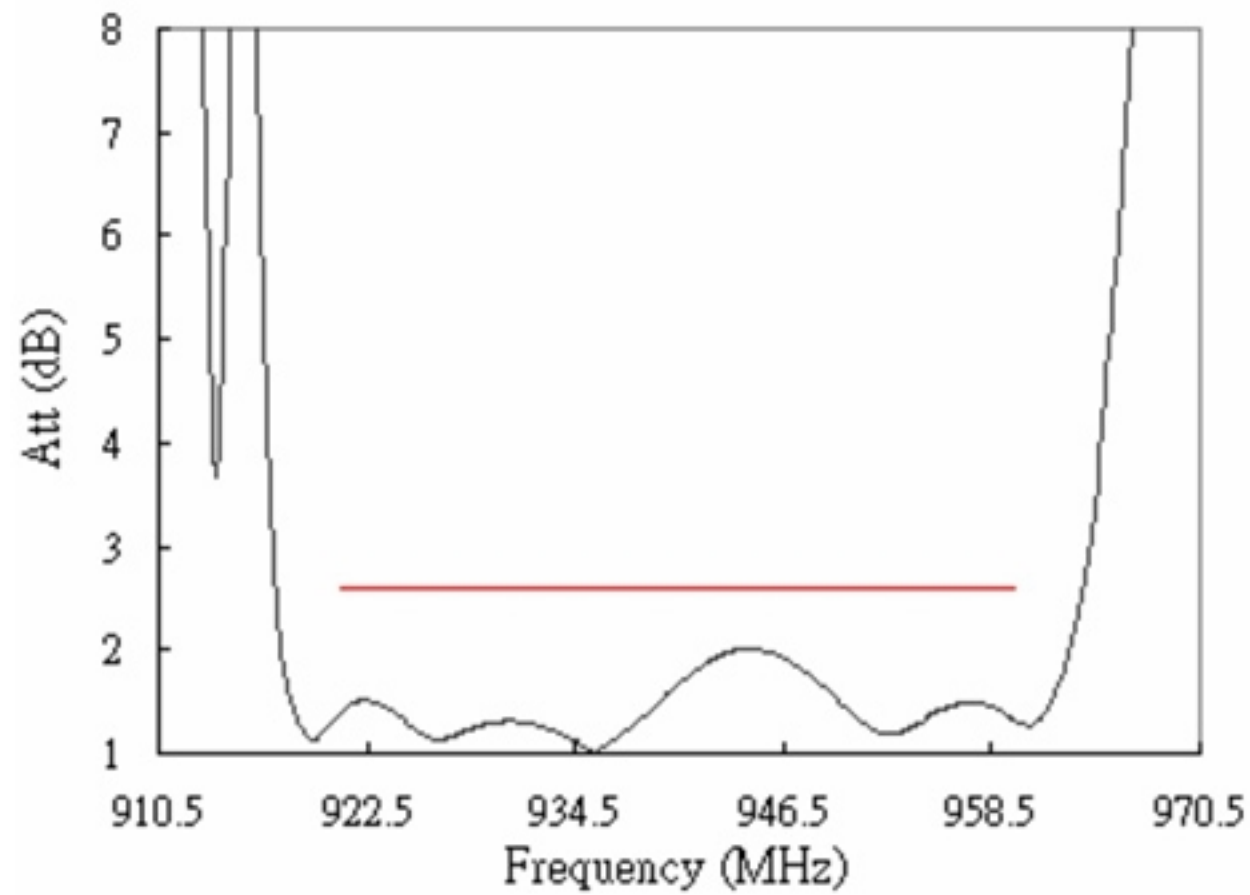


REFLECTION FUNCTION:

S11



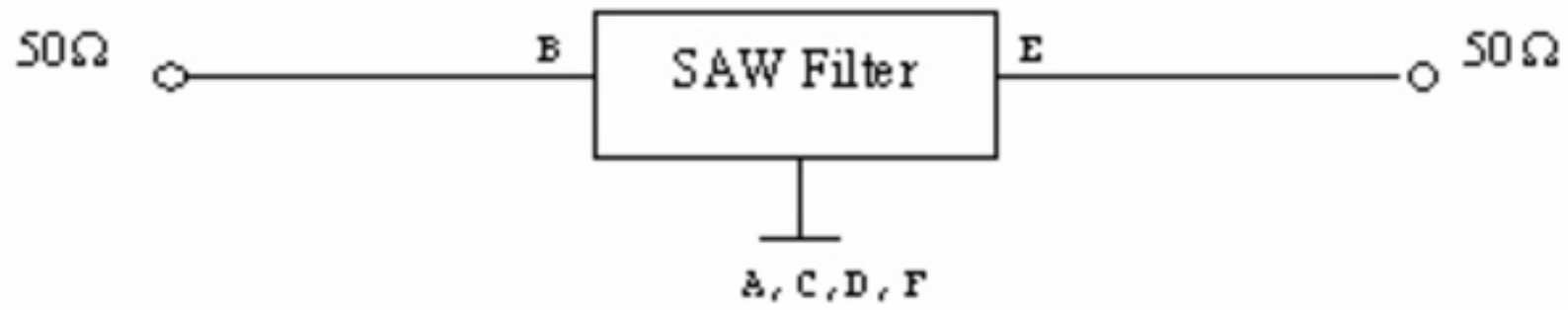
S22



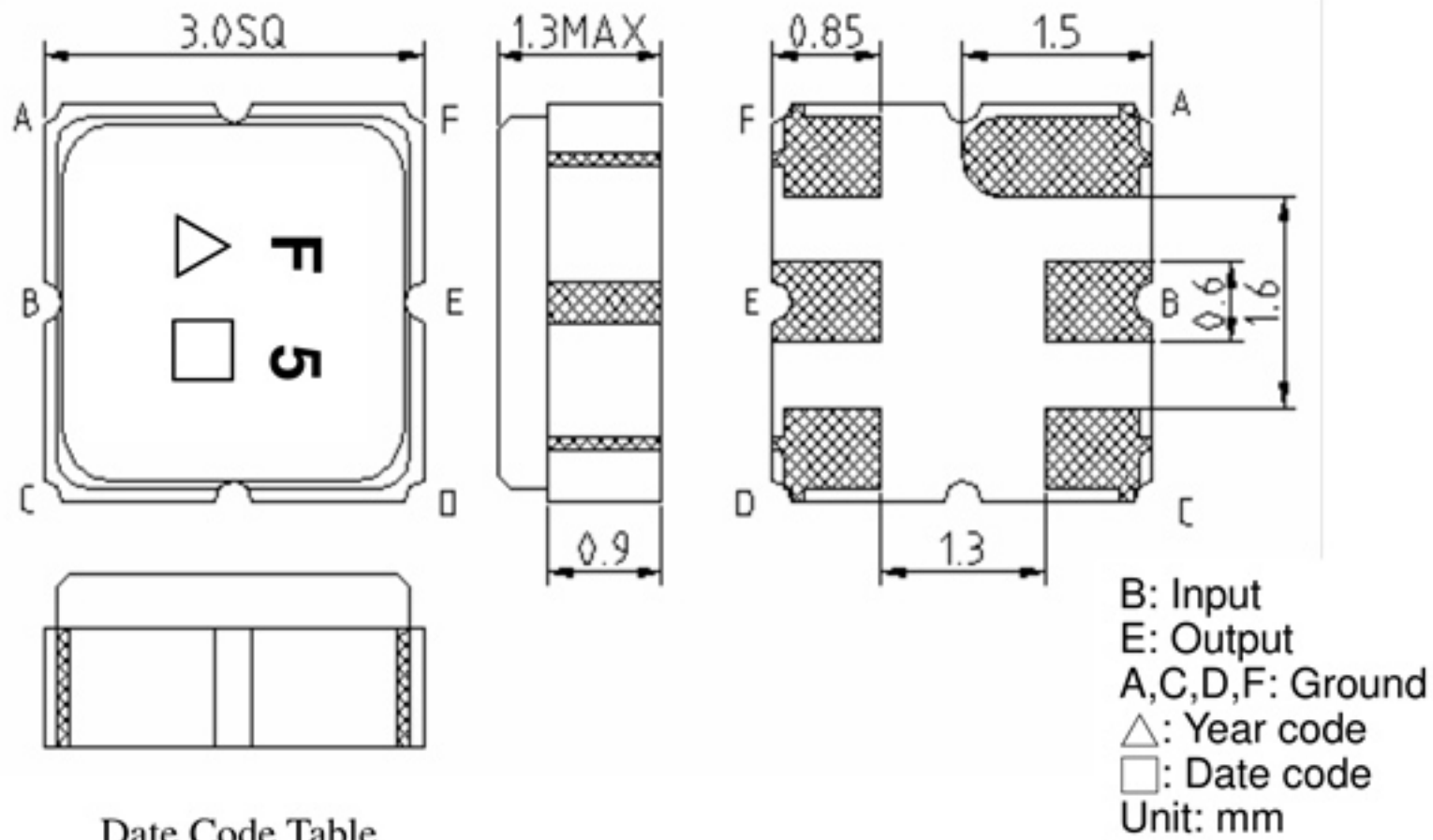
D. MEASUREMENT CIRCUIT:



HP Network analyzer



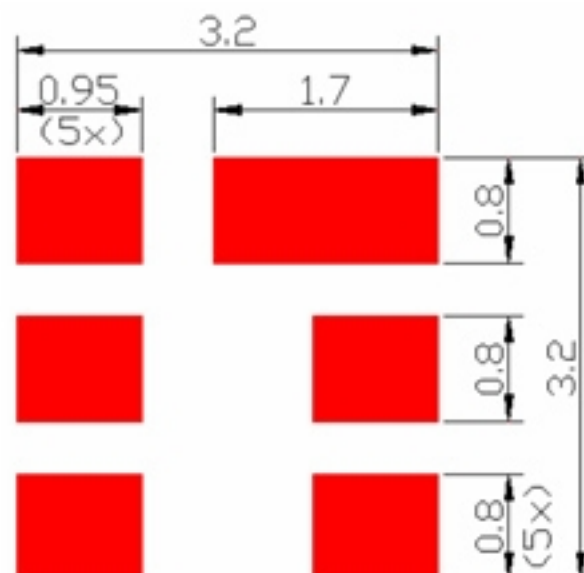
E.OUTLINE DRAWING:



Date Code Table

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

F.PCB FOOTPRINT:



H. Recommended Reflow Profile:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

