

Features

- Frequencies from 70MHz to 140MHz
- Low amplitude ripple
- RoHS compliance
- Electrostatic sensitive device
- Compatible with EPCOS, TDK, etc

Applications

- Industry
- Wireless Communication
- RF Filters for Cellular Phone



Part Numbering Guide

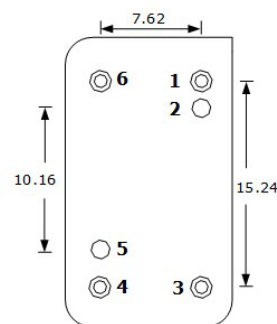
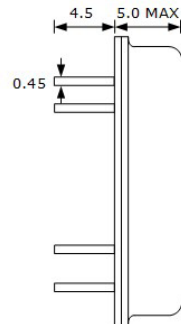
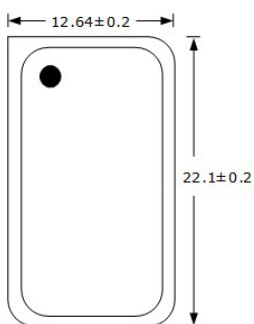
S FL SI 22B12G 8A 29A - 140M



* Where letters denote decimal location (A=0, B=1, C=.2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

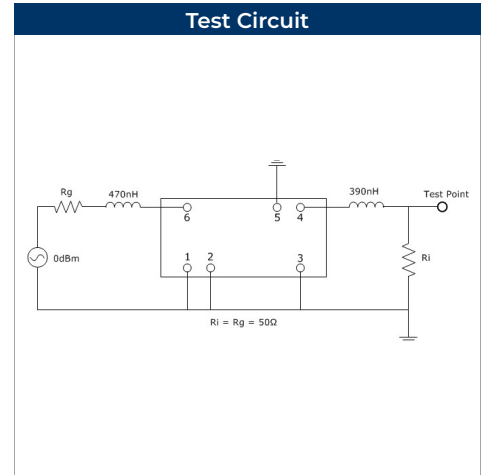
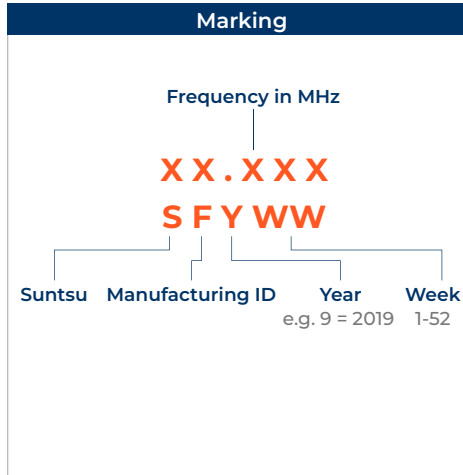
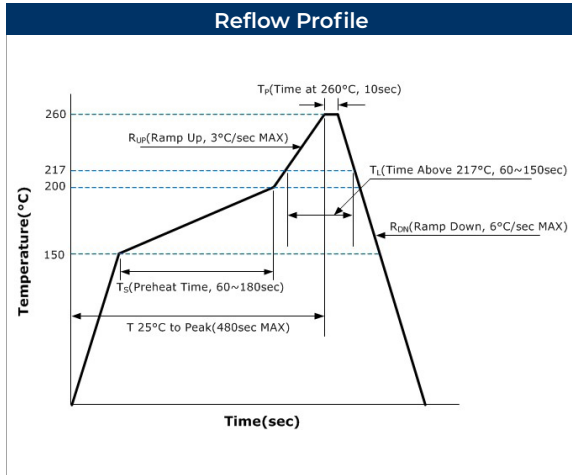
Electrical Parameters (at 25 °C)	Units	Minimum	Typical	Maximum	Remarks
Center Frequency	MHz	70		140	See part number reference (page 2).
Passband width	MHz	0.6		30	See part number reference (page 2).
Insertion Loss	dB	3		28	See part number reference (page 2).
DC voltage(VDC)	V		3.0		
Operating Temperature	°C	-40		85	
Storage Temperature	°C	-55		125	
Maximum Input Power	dBm		10		
Terminating Source Impedance	Ω		50		
Terminating Load Impedance	Ω		50		

Outline Drawing



PIN #	Function
6	INPUT
4	OUTPUT
1,2,3,5	GROUND

All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



Environmental & Mechanical Specifications	
High Temperature Storage	85°C (GRADE3), 1000h, unpowered
Temperature Cycling	-40°C / 85°C (GRADE3), 1000 cycles. Dwell time :15min. Transition time: < 20 s
Humidity Test	85°C/85% relative humidity, 1000h voltage acc. Data sheet [here: 0 V]
Operational Life	Nominal RF power and maximum temperature acc. to data sheet. 85°C, 1000h
External Visual	Inspection acc. to MIL-STD-883 meth. 2009
Physical Dimension	Verification acc. to IEC 862-1
Mechanical Shock	30000 m/s ² , 0.2ms, 1/2 Sin, 3x/direction
Vibration Test	10 to 2000 Hz, 0,75 mm ampl., 100 m/s ²
Electrostatic Discharge	HBM : 1.5kOhm, 100pF, 1pulse +/- [here : all withstand 225VHBM]
Solderability	Solderability Solder reflow method (Pb-free), 230°C -0/+5°C, 10s (after preconditioning 155°C, 16h)
Resistance to Soldering Heat	255°C -0/+5°C, 20s

Part Number Reference Begins on Next Page

Part Number Reference	Center Frequency (MHz)	Bandwidth (MHz)	Insert Loss (dB)	Package Code
SFLSI-22B12G-1I7A-70M	70	1.8	7	14F10A
SFLSI-22B12G-1E5A-70M	70	1.4	5	14F10A
SFLSI-22B12G-2A7A-70M	70	2	7	14F10A
SFLSI-22B12G-2A3A-70M	70	2	3	14F10A
SFLSI-22B12G-9A28A-70M	70	9	28	14F10A
SFLSI-22B12G-8A12A-70M	70	8	12	14F10A
SFLSI-22B12G-9G20A-70M	70	9.6	20	14F10A
SFLSI-22B12G-9A20A-70M	70	9	20	14F10A
SFLSI-22B12G-19I23A-70M	70	19.8	23	14F10A
SFLSI-22B12G-20A25A-70M	70	20	25	14F10A
SFLSI-22B12G-19G25A-70M	70	19.6	25	14F10A
SFLSI-22B12G-26A18F-70M	70	26	18.5	14F10A
SFLSI-22B12G-32A21F-70M	70	32	21	14F10A
SFLSI-22B12G-38A12A-70M	70	38	12	14F10A
SFLSI-22B12G-36A26F-70M	70	36	26.5	14F10A
SFLSI-22B12G-39A28F-70M	70	39	28	14F10A
SFLSI-22B12G-38A28A-70M	70	38	28	14F10A
SFLSI-22B12G-60A25A-70M	70	60	25	14F10A
SFLSI-22B12G-14A8A-90M	90	14	8	14F10A
SFLSI-22B12G-6A4A-100M	100	6	4	14F10A
SFLSI-22B12G-60A22A-100M	100	60	22	14F10A
SFLSI-22B12G-14A28A-120M	120	14	28	14F10A
SFLSI-22B12G-1C12A-140M	140	1.2	12	14F10A
SFLSI-22B12G-16A25A-140M	140	16	25	14F10A