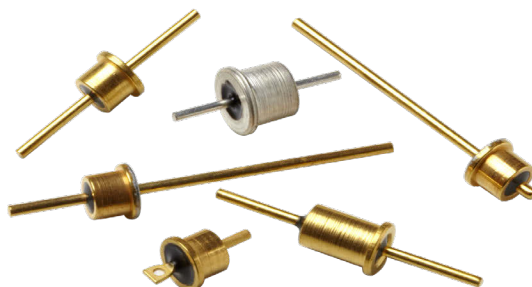


These EMI filters are ideal for microwave applications such as attenuators and oscillators and perform well in high impedance circuits where large capacitance values are not practical.

Features

- Miniature size to allow effective use of space
- Standard capacitance values from 5pF to .033μF
- Voltage ratings to 200 VDC/115 VAC 0-400 Hz
- Hermetically sealed on one end allows for through-hole sealing between compartments
- High temperature construction meets MIL-PRF-28861 solderability and resistance to soldering heat requirements
- Available in MIL-C-11015 versions
- Gold plating compatible with gold bonding techniques



Marking C Circuit

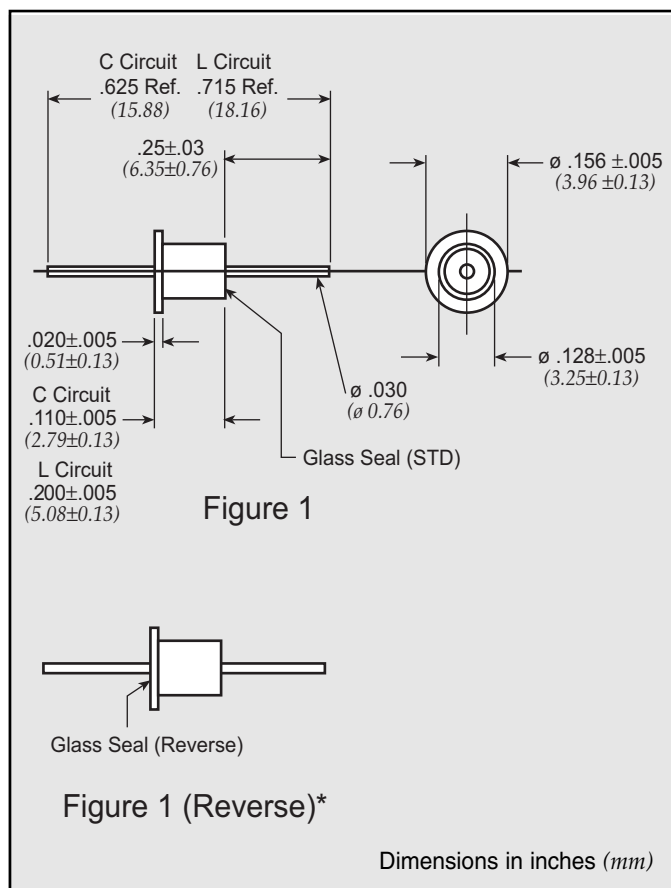
Color dot standard as follows:

- | | |
|-----------------------|-----------------------|
| • 101 Green - 100pF | • 272 Red - 2700pF |
| • 501 Brown - 500pF | • 502 Blue - 5000pF |
| • 102 Purple - 1000pF | • 153 Pink - 15000pF |
| • 122 White - 1200pF | • 000 None - 10pF max |

Marking L Circuit

Color dot standard as follows:

- | | |
|-----------------------|-----------------------|
| • 100 Violet - 10pF | • 103 2White - .01μF |
| • 250 Blue - 25pF | • 153 2White - .015μF |
| • 102 White - 1000pF | • 273 2Red - 27000pF |
| • 152 White - 1500pF | • 333 2Red - .033μF |
| • 502 Yellow - 5000pF | |



Miniature Solder-in C Circuit

Part Number*	Figure	Rated Voltage 125°C		I Amp	Min. Cap	Minimum Insertion Loss (dB)						
		DC	AC			1 MHz	10 MHz	30 MHz	100 MHz	300 MHz	1 GHz	10 GHz
SCI-9900-153	1	50		5	0.015 μ F	7			40	40	60	60
SCI-9900-303	1	50		5	0.030 μ F	10	30	35	45	50	55	55
SCI-9910-272	1	100		5	2700 pF	—	10	18	25	33	40	50
SCI-9910-502	1	100		5	5000 pF	—	15	20	30	35	45	55
SCI-9900-000	1	200		5	4 pF max.	—	—	—	—	—	10	10
SCI-9920-101	1	200	115	5	100 pF	—	—	—	3	10	20	28
SCI-9920-501	1	200	115	5	500 pF	—	—	—	15	22	35	40
SCI-9920-122	1	200	115	5	1200 pF	—	5	10	20	28	35	45

* For reverse glass seal add an "R" to the end of the part number (SCI-9900-153R).

Also available through authorized distributors. Parts are RoHS Compliant.

Miniature Solder-in L Circuit

Part Number*	Figure	Rated Voltage 125°C		I Amp	Min. Cap	Minimum Insertion Loss (dB)				
		DC	AC			1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
SCI-9980-101	1	200		10	100 pF	—	—	5	22	35
SCI-9980-103	1	200		10	.01 μ F	8	27	48	65	65
SCI-9980-122	1	200		10	1200 pF	—	8	28	42	50
SCI-9980-333	1	200		10	.033 μ F	13	35	55	75	75
SCI-9980-501	1	200		10	500 pF	—	—	18	37	38
SCI-9980-502	1	200		10	5000 pF	8	17	35	47	55

* Reverse seal available. Add R at the end of the part number. (SCI-9980-102R).

Note: Hi-rel versions available. Add R after the first dash. (SCI-R9980-102).

LT circuit part number series SCI-9981-XXX.

Parts are RoHS Compliant.